APPENDIX G/INITIAL STUDY FOR A NEGATIVE DECLARATION

Environmental Checklist Form for: Ashlan Avenue Widening Project

1.	Project Title:
	Ashlan Avenue Widening Project
2.	Lead Agency Name and Address:
	City of Fresno Public Works Department 2600 Fresno Street Fresno, CA 93721
3.	Contact Person and Phone Number:
	Abdulrahman "Abdul" BinMahfodh, Project Manager
	Public Works Department
	(559) 621-8701
4.	Project Location:
	The project site consists of a 0.5-mile segment of Ashlan Avenue, one surrounding parcel (Assessor's Parcel Number [APN] 511-01-205S), and portions of 16 other surrounding residential parcels that abut both sides of Ashlan Avenue.
5.	Project Sponsor's Name and Address:
	City of Fresno
	2600 Fresno Street
	Fresno, CA 93721
6.	General and Community Plan Land Use Designation:
	The project site is primarily located within the Ashlan Avenue right-of-way (ROW), with surrounding parcels located in the Rural Residential, Single Family Residential, Public/Institutional, and Open Space/Agriculture land use designations.
7.	Zoning:
	The project site is primarily located within the Ashlan Avenue ROW, with surrounding parcels located in the Commercial Community, Residential Single-Family – Medium Density, Residential Single-Family – Medium Low Density, Single-Family Residential – Low Density, Residential Estate, and Open Space zoning designations.

8. **Description of Project:**

The City of Fresno (City) Public Works Department proposes a road widening project along a 0.5-mile segment of Ashlan Avenue between North Polk Avenue and North Cornelia Avenue in the city of Fresno (project). The project would widen eastbound Ashlan Avenue from one lane to two lanes, to the ultimate ROW. The purpose of this project is to reduce traffic congestion, extend the life of existing pavement, and widen the roadway to its ultimate configuration. The proposed project would improve traffic flow through the installation of paved shoulders, bike lane infrastructure, and sidewalk and improve public safety and enhance multimodal connectivity by installing new sidewalk, curb and gutter, Americans with Disabilities Act (ADA) curb ramps, and streetlights.

The proposed project is included in the Fresno Council of Governments (FCOG) 2019 Federal Transportation Improvement Program (FTIP). It is also included in FCOG's constrained project list in the *Year 2018 Regional Transportation Plan* (RTP) and the Year 2019 Financial Constrained List (FRE500617) Transportation Improvement Program (TIP).

Project Location

The proposed improvements to Ashlan Avenue would occur along a 0.5-mile segment of roadway between North Polk and North Cornelia Avenues in the incorporated city of Fresno, Fresno County, California (Figure 1). The surrounding area consists primarily of residential properties, small businesses, and community centers (e.g., churches). The project area includes an east–west alignment along Ashlan Avenue through Sections 15 and 22 of Township 13 South/Range 19 East, as depicted on the Herndon, California U.S. Geological Survey (USGS) 7.5-minute quadrangle.

Environmental Setting

The surrounding area consists primarily of residential properties, small businesses, and community centers (e.g., churches). The project site is characterized by relatively flat topography and consists entirely of paved roads, ornamental/garden vegetation and trees, ruderal/disturbed vegetation, bare ground, and residential development. According to the U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) Surface Waters and Wetlands mapper, there are no mapped drainages or wetland areas located within the project area (USFWS 2022). There is a human-made pond located directly north of the project site.

Ashlan Avenue is classified as a minor arterial roadway with one eastbound lane and one westbound lane with a striped, unpaved center divide. There are no bike lanes and limited sidewalks along eastbound Ashlan Avenue from Dante Avenue to 150 feet east of Dante Avenue, and from Cornelia Avenue to approximately 483 feet west of Cornelia Avenue. The intersection of Ashlan and Polk Avenues is an all-way stop. The intersection of Ashlan and Cornelia Avenues is a signalized all-way stop. Eastbound Ashlan Avenue widens to two lanes with a dedicated left-turn pocket at the intersection of Ashlan and Cornelia Avenues.

Project Description

The City proposes to widen a 0.5-mile segment of Ashlan Avenue, located between North Polk and North Cornelia Avenues. The proposed project would widen eastbound Ashlan Avenue from one lane to two lanes, to the ultimate ROW configuration.

The project also includes the construction of the following improvements:

- Installation of curbs, gutters, and sidewalks;
- Placement of full section paving;
- Grinding and overlay of existing pavement;
- Installation of new ADA-compliant curb ramps, where needed;
- Installation of new signing and pavement striping;
- Adjustment of water valve lids and sewer manhole covers to finished grade;
- Installation of 12 new streetlights and signals;
- Addition of 7-foot-wide Class II bike lanes; and
- Relocation of joint poles, fire hydrants, and water meters.

Project plans are included as Appendix A.

This road widening project would require ROW acquisition from the following 17 parcels, listed by APN:

North side of Ashlan Avenue

- APN 510-02-282: partial take
- APN 510-02-267: partial take
- APN 510-02-211: partial take
- APN 510-02-244: partial take
- APN 510-02-243: partial take
- APN 510-02-235: partial take
- APN 510-02-236: partial take
- APN 510-02-231: partial take
- APN 510-02-232: partial take
- APN 510-02-239: partial take

South side of Ashlan Avenue

- APN 511-01-201S: partial take
- APN 511-01-204S: partial take
- APN 511-01-205S: full take
- APN 511-01-258S: partial take
- APN 511-01-234S: partial take
- APN 511-08-501: partial take
- APN 511-08-219: partial take

As listed above, the proposed project would require full ROW take of one parcel (APN 511-01-205S) from the south side of Ashlan Avenue. The existing residential structures on the parcel proposed for full ROW take would be demolished and the existing residents would be relocated. In addition, the partial ROW take of APN 511-08-501 from the south side of Ashlan Avenue would require the removal and demolition of two residential structures and the relocation of existing residents. Following

demolition and construction activities, the parcel would be disposed of in accordance with the Surplus Land Act requirements.

The project would result in approximately 4 acres of ground disturbance. The project would require the removal of 27 ornamental trees along Ashlan Avenue. Construction of the proposed project is expected to occur over a 6-month period beginning in 2024.

9. Surrounding land uses and setting:

	Planned Land Use	Existing Zoning	Existing Land Use	
North	Single Family Residential, Public/Institutional, and Open Space/ Agriculture	Commercial Community, Open Space, Single-Family Residential – Medium Density	Single Family Residential, Public/Institutional, Open Space/ Agriculture	
East	N/A	N/A	N/A	
South	Single Family Residential and Rural Residential	Residential Estate, Single-Family Residential – Medium Density, Single-Family Residential – Low Density, Single-Family Residential –Medium Low Density	Single Family Residential, Rural Residential	
West	N/A	N/A	N/A	

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):

San Joaquin Valley Air Pollution Control District (SJVAPCD) Authority to Construct, Permit to Operate, Dust Control

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code (PRC) Section 21080.3.1? If so, has consultation begun?

The State of California requires lead agencies to consider the potential effects of proposed projects and consult with California Native American tribes during the local planning process for the purpose of protecting Traditional Tribal Cultural Resources through the California Environmental Quality Act (CEQA) Guidelines. Pursuant to California Public Resources Code (PRC) Section 21080.3.1, before public distribution of the document, the lead agency shall begin consultation with the California Native American tribe that is traditionally and culturally affiliated with the geographical area of the proposed project. Such significant cultural resources are either sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a tribe

that is either included in or eligible for inclusion in the California Register of Historic Resources (CRHR) or local historic register, or, the lead agency, at its discretion, and support by substantial evidence, chooses to treat the resources as a Tribal Cultural Resources (PRC Section 21074(a)(1-2)). According to the most recent census data, California is home to 109 currently recognized Indian tribes. Tribes in California currently have nearly 100 separate reservations or Rancherias. Fresno County has a number of Rancherias, including Table Mountain, Millerton, Big Sandy, Cold Springs, and Squaw Valley; these Rancherias are not located within the City limits.

Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process (see PRC Section 21083.3.2). Information may also be available from the California Native American Heritage Commission (NAHC) Sacred Lands File (SLF) per PRC Section 5097.96 and the California Historical Resources Information System (CHRIS) administered by the California Office of Historic Preservation (OHP). Please also note that PRC Section 21082.3(c) contains provisions specific to confidentiality. Pursuant to Assembly Bill (AB) 52, Native American tribes traditionally and culturally affiliated with the project area were invited to consult regarding the project based on a list of contacts provided by the NAHC. The City of Fresno (City) mailed notices of the proposed project to each of these tribes on September 28, 2022, and included the required 30-day time period for tribes to request consultation, which ended on October 30, 2022. All tribes that were contacted declined consultation.



Figure 1. Project Location Map.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

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

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

DETERMINATION: (To be completed by the Lead Agency)

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.
<u> X </u>	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 (EIR) 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 EIR 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 or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Abdul BinMahfodh, PMP

03/28/2024

Abdulrahman "Abdul" BinMahfodh, Project Manager

Date

EVALUATION OF ADDITIONAL ENVIRONMENTAL IMPACTS NOT ASSESSED IN PROGRAM ENVIRONMENTAL IMPACT REPORT SCH NO. 2019050005 PREPARED FOR THE APPROVED FRESNO GENERAL PLAN (GP PEIR):

- 1. For purposes of this Initial Study, the following answers have the corresponding meanings:
 - a. "No Impact" means the specific impact category does not apply to the project, or that the record sufficiently demonstrates that project specific factors or general standards applicable to the project will result in no impact for the threshold under consideration.
 - b. "Less Than Significant Impact" means there is an impact related to the threshold under consideration, but that impact is less than significant.
 - c. "Less Than Significant with Mitigation Incorporation" means there is a potentially significant impact related to the threshold under consideration, however, with the mitigation incorporated into the project, the impact is less than significant. For purposes of this Initial Study "mitigation incorporated into the project" means mitigation originally described in the GP PEIR and applied to an individual project, as well as mitigation developed specifically for an individual project.
 - d. "Potentially Significant Impact" means there is substantial evidence that an effect may be significant related to the threshold under consideration.
- 2. 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 like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where 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).

- 3. 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.
- 4. Once the lead agency has determined that a particular physical impact may occur, then 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 EIR is required.
- 5. "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "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 (mitigation measures from, "Earlier Analyses," as described in (6) below, may be cross-referenced).
- Earlier analyses may be used where, pursuant to the tiering, Program EIR, or other 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 they are available for review.
 - b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in the PEIR or another 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 Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 7. 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, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 8. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 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 less than significance.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS – Except as provid	ded in PRC Se	ection 21099, wo	ould the project	ct:
a) Have a substantial adverse effect on a scenic vista?				Х
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				Х
c) In non-urbanized areas, substantially degrade the existing visual character or quality public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?			Х	
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			х	

DISCUSSION

<u>Setting</u>

CEQA establishes that it is the policy of the state to take all action necessary to provide people of the state "with . . . enjoyment of aesthetic, natural, scenic and historic environmental qualities" (California Public Resources Code [PRC] Section 21001[b]). A scenic vista is generally defined as a high-quality view displaying good aesthetic and compositional values that can be seen from public viewpoints. Some scenic vistas are officially or informally designated by public agencies or other organizations. A substantial adverse effect on a scenic vista would occur if the project would significantly degrade the scenic landscape as viewed from public roads or other public areas. A proposed project's potential effect on a scenic vista is largely dependent on the degree to which it would complement or contrast with the natural setting, the degree to which it would be noticeable in the existing environment, and whether it detracts from or complements the scenic vista.

The California Scenic Highway Program was created by the State Legislature in 1963 with the intention of protecting and enhancing the natural scenic beauty of California highways and adjacent corridors. A highway may be designated scenic depending on how much of the natural landscape can be seen by travelers, the scenic quality of the landscape, and the extent to which development intrudes upon the traveler's enjoyment of the view. According to the California Department of Transportation (Caltrans) State Scenic Highway System Map, there are no designated state scenic highways within or in the immediate vicinity of the project site. The nearest eligible scenic highway is State Route (SR) 168, located approximately 8 miles northeast of the project site (Caltrans 2018).

The Urban Form, Land Use, and Design Element, Chapter 3 of the Fresno General Plan, identifies objectives and implementing policies related to the protection of visual resources within the city. The following objectives are applicable to the proposed project:

- **D-1:** Provide and maintain an urban image that creates a "sense of place" throughout Fresno.
- **D-2:** Enhance the visual image of all "gateway" routes entering the Fresno Planning Area.
- **D-3:** Create unified plans for Green Streets, using distinctive features reflecting Fresno's landscape heritage.
- **D-4:** Preserve and strengthen Fresno's overall image through design review and create a safe, walkable, and attractive urban environment for the current and future generations of residents.
- **MT-3:** Identify, promote, and preserve scenic or aesthetically unique corridors by application of appropriate policies and regulations.

The project site is characterized by relatively flat topography and consists of a 0.5-mile segment of an existing roadway (Ashlan Avenue), one surrounding parcel (APN 511-01-205S), and portions of 16 other surrounding parcels. Existing conditions on Ashlan Avenue include one lane in each direction (east and west) with a striped, unpaved center divide. Surrounding uses include existing residential properties, small businesses, and community centers (e.g., churches). Ashlan Avenue is not designated as a scenic corridor by the City's General Plan and there are no designated scenic corridors within the vicinity of the project site. The nearest scenic corridor is Grantland Avenue, which is designated as a scenic expressway and located approximately 1.5 miles west of the project site (City of Fresno 2014).

Environmental Evaluation

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

Vista points within the city are limited to areas along the San Joaquin River, which provide views of the waterway (City of Fresno 2014). The project site is not located within the viewshed of a vista point; therefore, the project would not have a substantial adverse effect on a scenic vista, and *no impacts* would occur.

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

Scenic resources are defined as natural or human-made elements that contribute to an area's scenic value and are visually pleasing. Scenic resources generally include landscaped open space areas, including parks and golf courses, areas along the San Joaquin River due to varying topography, the river bluffs, and historical buildings in Downtown Fresno. The project site is not located within the vicinity of any of the aforementioned scenic resources within the city. Further, there are no designated state scenic highways within or in the immediate vicinity of the project site. The nearest eligible scenic highway is SR 168, located approximately 8 miles northeast of the project site (Caltrans 2018). Since there are no scenic resources or designated scenic highways located within the project area, the project would not damage scenic resources within the viewshed of a state scenic highway; therefore, *no impacts* would occur.

c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

The project site is located in an urbanized area in the western portion of the city of Fresno. The project site is primarily located within the Ashlan Avenue ROW with surrounding parcels located in the Rural Residential, Single Family Residential, Public/Institutional, and Open Space/Agriculture land use designations (City of Fresno 2014). However, the project does not include the construction of new buildings or structures that would be subject to building design requirements included in the City's General Plan or Municipal Code.

The project would mostly be limited to roadway improvements and installation of sidewalks, bike lanes, and other at-grade improvements, which would reduce the potential to change the visual character in the immediate or surrounding area. Further, proposed roadway improvements would be required to comply with City Public Works Department requirements for roadway design to ensure consistency with existing roadways within the vicinity of the project site. Aboveground components would be limited to the relocation of existing utility poles, installation of streetlights, signage improvements, and removal of ornamental trees. The project would not result in the installation of additional utility poles along Ashlan Avenue; therefore, proposed relocation of utility poles would be consistent with the existing visual character of the project area. As evaluated in Impact Discussion I(d), street lighting would be used for illumination purposes only and would be pointed downward to avoid light spillover to surrounding land uses. Street sign improvements would be required to comply with City Public Works Department requirements for street signs to ensure consistency with other street signs in the city. The project would require the removal of 27 ornamental trees, which would be conducted in accordance with Municipal Code Section 13-305 (Tree Preservation). Therefore, proposed aboveground improvements would be consistent with the visual character of surrounding roadways and land uses

and would not include the construction of new features that could substantially degrade the existing visual character of the project area. Further, proposed improvements would be consistent with Objective D-4 of the City's *Urban Form, Land Use, and Design Element*, which aims to preserve and strengthen the city's overall image through the creation of a safe, walkable, and attractive urban environment. The removal of existing residential structures from two surrounding residential parcels would not result in substantial changes to the existing viewshed along Ashlan Avenue because the removal of the existing residential structures would continue to result in a viewshed that would be consistent with the moderately developed nature of the project area; therefore, the project would not substantially alter the existing visual character of the project area.

The project has the potential to create short-term construction-related impacts to views in the existing public ROW. Construction activities would be visible from surrounding land uses during the 6-month construction period and would include the presence of construction equipment, vehicles, staging areas, and construction materials. Associated signage or traffic cones may be necessary for safety during the construction period. Following construction, equipment, vehicles, and signage would be removed from the site. The proposed project would be consistent with surrounding development and would not substantially degrade the long-term existing character of the immediate or surrounding area; therefore, project impacts would be *less than significant*.

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

Existing nighttime lighting in the project area consists of vehicle headlights along Ashlan Avenue; lighting from surrounding residential, business, and community land uses; and traffic signals along proximate roadways. The project includes the installation of street lighting, which would contribute to nighttime lighting in the project area. Street lighting would be used for illumination purposes only and pointed downward to avoid light spillover to surrounding land uses. In addition, the installation of public and private street lighting is exempt from the City's requirements for outdoor lighting (Municipal Code Section 15-2015 Outdoor Lighting and Illumination). Therefore, impacts related to light and glare would be *less than significant*.

Conclusion

The project would not substantially affect a scenic vista, damage a scenic resource, conflict with zoning, or create a source of new light or glare; therefore, impacts related to aesthetics would be less than significant.

Mitigation Measures

Mitigation is not necessary.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	
II. AGRICULTURE AND FORESTRY RESOURCES – In determining whether impacts to 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 Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to 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:					
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farm- land), as shown on the maps prepared pursuant to the Farmland Mapping and Monito- ring Program of the California Resources Agency, to non- agricultural use?				Х	
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?				х	
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))?				Х	
d) Result in the loss of forest land or conversion of forest land to non-forest use?				х	

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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?				х

DISCUSSION

<u>Setting</u>

The California Department of Conservation (CDOC) Farmland Mapping and Monitoring Program (FMMP) produces maps and statistical data used for analyzing impacts on California's agricultural resources. Agricultural land is rated according to soil quality and current land use. For environmental review purposes under CEQA, the FMMP categories of Prime Farmland, Farmland of Statewide Importance, Unique Farmland, Farmland of Local Importance, and Grazing Land are considered "agricultural land." Other non-agricultural designations include, but are not limited to, Urban and Built-up Land, Other Land, and Water. According to the FMMP, the project site is located on land that is designated as Urban and Built-Up Land and Residential Rural Land (CDOC 2016).

According to the U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) Web Soil Survey, the project site is underlain by the following soil types (NRCS 2022):

- San Joaquin sandy loam, shallow, 0 to 3 percent slopes (SdA) This moderately well-drained soil has a very high runoff class. The typical soil profile consists of sandy loam, clay, cement, and course sandy loam. This soil is not considered Prime Farmland.
- San Joaquin loam, shallow, 0 to 3 percent slopes (SgA) This moderately welldrained soil has a high runoff class. The typical soil profile consists of loam, sandy clay loam, clay, cement, and coarse sandy loam. This soil is not considered Prime Farmland.

The Land Conservation Act of 1965, commonly referred to as the Williamson Act, enables local governments to enter into contracts with private landowners for the purpose of restricting specific parcels of land to agriculture or related open space use. In return, landowners receive property tax assessments that are much lower than normal because they are based on farming and open space uses as opposed to full market value. The project site and surrounding parcels are not subject to a Williamson Act contract.

According to PRC Section 12220(g), forest land is defined as land that can support 10% native tree cover of any species, including hardwoods, under natural conditions, and that allows for management of one or more forest resources, including timber, aesthetics, fish and wildlife, biodiversity, water quality, recreation, and other public benefits. Timberland is defined as land, other than land owned by the federal government and land designated by the State Board of Forestry and Fire Protection as experimental forest land, which is available for, and capable of, growing a crop of trees of a commercial species used to produce lumber and other forest products, including Christmas trees. The project site and surrounding area is not considered forestland by PRC Section 12220(g).

The objective of Section 7.6, *Farmland*, in the *Resource Conservation and Resilience Element*, Chapter 7 of the City's General Plan, is to preserve agricultural land outside of the area planned for urbanization under this General Plan. In addition, the City's Farmland Preservation Program requires developers to mitigate the loss of farmland when Prime Farmland, Unique Farmland, or Farmland of Statewide Importance is converted to urban uses outside City limits (City of Fresno 2014).

Environmental Evaluation

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?

The project site is underlain by land designated as Urban and Built-Up Land and Rural Residential Land by the FMMP (CDOC 2016). The project site does not consist of designated Prime Farmland, Unique Farmland, or Farmland of Statewide Importance by the FMMP; therefore, the proposed project would not result in conversion of Farmland, and *no impacts* would occur.

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

The project site is primarily located within the Ashlan Avenue ROW with surrounding parcels located in the Rural Residential, Single Family Residential, Public/Institutional, and Open Space/Agriculture land use designations (City of Fresno 2014). The parcel proposed for full take is located in the Rural Residential land use designation. Additionally, the project site and surrounding parcels are not subject to a Williamson Act contract. The proposed project would be limited to the widening of Ashlan Avenue to the ultimate ROW configuration and does not include the establishment of new land uses that would be inconsistent with the Open Space/Agriculture land use designation; therefore, *no impacts* would occur.

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))?

The project site and surrounding area is not within forest land, timberland, or timberland production land use or zoning designations; therefore, the proposed project

would not conflict with the zoning, or cause rezoning of, designated forest land, timberland, or timberland production, and *no impacts* would occur.

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

The project site and surrounding area is not designated or zoned for forest land uses and does not meet the definition of forest land established in PRC Section 12220(g). Since the project site does not support forest land, any tree removal required for the project would not result in the loss or conversion of forest land; therefore, *no impacts* would occur.

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?

The project site is located in an urban area within the city limits of Fresno and there are limited commercial crop production or agricultural land uses within the vicinity of the project site. As previously evaluated, the project would not result in the conversion of Farmland or forest land and would not interfere with zoning for agricultural or forest land uses. The proposed project would be limited to the widening of Ashlan Avenue and would not result in new land uses that could reduce the availability of water for existing agricultural uses in the vicinity of the project site. In addition, proposed roadway improvements would be paved and would not increase dust that could inadvertently damage crops in the vicinity of the project site. Therefore, the project would not indirectly result in the conversion of Farmland or forest land, and *no impacts* would occur.

Conclusion

The proposed project would not result in the conversion of Farmland or forest land and would not interfere with zoning for agricultural or forest land uses. Therefore, the project would not result in impacts related to agriculture and forestry resources.

Mitigation Measure

Mitigation is not necessary.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
III. AIR QUALITY – Where available, the significance criteria established by t applicable air quality management or air pollution control district may be relied upon make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan (<i>e.g.</i> , by having potential emissions of regulated criterion pollutants which exceed the San Joaquin Valley Air Pollution Control Districts (SJVAPCD) adopted thresholds for these pollutants)?			Х	
b) 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)?			Х	
c) Expose sensitive receptors to substantial pollutant concentrations?		Х		
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?		х		

DISCUSSION

<u>Setting</u>

The Federal Clean Air Act (FCAA), as amended, is the primary federal law that governs air quality while the California Clean Air Act (CCAA) is its companion state law. These laws, and related regulations by the U.S. Environmental Protection Agency (USEPA) and the California Air Resources Board (CARB), set standards for the concentration of pollutants in the air. At the federal level, these standards are called National Ambient Air Quality Standards (NAAQS). National and state standards have been established for six criteria pollutants that have been linked to potential health concerns: carbon monoxide (CO), nitrogen dioxide (NO₂), ozone (O₃), particulate matter (PM)—which is broken down

for regulatory purposes into particles of 10 micrometers or smaller (PM_{10}) and particles of 2.5 micrometers and smaller ($PM_{2.5}$)—lead (Pb), and sulfur dioxide (SO_2). In addition, state standards exist for visibility-reducing particles, sulfates, hydrogen sulfide (H_2S), and vinyl chloride. The NAAQS and state standards are set at levels that protect public health with a margin of safety and are subject to periodic review and revision.

The city of Fresno is located within the San Joaquin Valley Air Basin (SJVAB) and is under the jurisdiction of the San Joaquin Valley Air Pollution Control District (SJVAPCD). The San Joaquin Valley is prone to one of the most challenging air quality problems in the nation, as it is home to over 4,000,000 residents and includes several major metropolitan areas, vast expanses of agricultural land, industrial sources, highways, and schools. The SJVAB is designated as Nonattainment-Extreme for the 8-hour O₃ standard, Maintenance-Serious for the PM₁₀ standard, and Nonattainment-Moderate for the PM_{2.5} standard under the NAAQS. Under the California Ambient Air Quality Standards (CAAQS), the SJVAB is designated Nonattainment for the 1-hour O₃ standard, the 8-hour O₃ standard, the PM₁₀ standards, and the PM_{2.5} standards.

The SJVAPCD has established air quality thresholds of significance for CO, nitrogen oxides (NO_x), reactive organic gases (ROG), sulfur oxides (SO_x), PM_{10} , and $PM_{2.5}$, as shown in Table 1.

	Construction Emissions (TPY ¹)	Operational Emissions (TPY ¹)		
Polititant		Permitted Equipment and Activities	Non-Permitted Equipment and Activities	
CO	100	100	100	
NOx	10	10	10	
ROG	10	10	10	
SOx	27	27	27	
PM ₁₀	15	15	15	
PM _{2.5}	15	15	15	

Table 1. SJVAPCD Thresholds

Source: SJVAPCD (2015)

¹ TPY = tons per year

Ozone

Ozone occurs in two layers of the atmosphere. The layer surrounding the earth's surface is the troposphere. Here, at ground level, troposphere, or "bad," ozone is an air pollutant that damages human health, vegetation, and many common materials. It is a key ingredient of urban smog. The troposphere extends to a level about 10 miles up where it

meets the second layer, the stratosphere. The stratospheric, or "good," ozone layer extends upward from about 10 to 30 miles and protects life on earth from the sun's harmful ultraviolet rays.

"Bad" ozone is what is known as a photochemical pollutant. It needs ROG, NO_X, and sunlight to form. ROG and NO_X are emitted from various sources throughout Fresno County. Significant ozone formation generally requires an adequate number of precursors in the atmosphere and several hours in a stable atmosphere with strong sunlight. To reduce ozone concentrations, it is necessary to control the emissions of these ozone precursors.

Ozone is a regional air pollutant. It is generated over a large area and transported and spread by the wind. As the primary constituent of smog, ozone is the most complex, difficult to control, and pervasive of the criteria pollutants. Unlike other pollutants, it is not emitted directly into the air by specific sources but is created by sunlight acting on other air pollutants (the precursors), specifically NO_x and ROG. Sources of precursor gases number in the thousands and include common sources, such as consumer products, gasoline vapors, chemical solvents, and combustion byproducts of various fuels. Originating from gas stations, motor vehicles, large industrial facilities, and small businesses such as bakeries and dry cleaners, the ozone-forming chemical reactions often take place in another location, catalyzed by sunlight and heat. Thus, high ozone concentrations can form over large regions when emissions from motor vehicles and stationary sources are carried hundreds of miles from their origins.

Combustion Emissions

Combustion emissions (ROG and NO_x) are most significant when using large dieselfueled scrapers, loaders, bulldozers, haul trucks, compressors, generators, and other heavy equipment. Emissions can vary substantially from day to day, depending on the level of activity and the specific type of operation. ROG and NO_x are the critical pollutants caused by construction work because of the high output of these pollutants by heavy diesel equipment normally used in grading operations.

Carbon Monoxide

CO, an odorless, colorless, poisonous gas that is highly reactive, is emitted by mobile and stationary sources as a result of incomplete combustion of hydrocarbons or other carbon-based fuels. CO is a byproduct of motor vehicle exhaust, which contributes more than 66% of all CO emissions nationwide. In cities, automobile exhaust can cause as much as 95% of all CO emissions. These emissions can result in high concentrations of CO, particularly in local areas with heavy traffic congestion. Other sources of CO emissions include industrial processes and fuel combustion in sources, such as boilers and incinerators. Despite an overall downward trend in concentrations and emissions of CO, some metropolitan areas still experience high levels of CO. High CO concentrations develop primarily during winter when periods of light winds combine with the formation of ground-level temperature inversions (typically from the evening through early morning). These conditions result in reduced dispersion of vehicle emissions. Motor vehicles also exhibit increased CO emission rates at low air temperatures.

Sulfates

Sulfates (SO_4^{-2}) are particulate products that come from the combustion of sulfurcontaining fossil fuels. When sulfur monoxide (SO) or SO₂ is exposed to oxygen, it precipitates out into sulfates (SO₃ or SO₄). Sulfates are the fully oxidized ionic form of sulfur. Sulfates occur in combination with metal and/or hydrogen ions. In California, emissions of sulfur compounds occur primarily from the combustion of petroleum-derived fuels (e.g., gasoline, diesel fuel) that contain sulfur. This sulfur is oxidized to SO₂ during the combustion process and subsequently converted to sulfate compounds in the atmosphere. The conversion of SO₂ to sulfates takes place comparatively rapidly and completely in urban areas of California because of regional meteorological features.

Particulate Matter

PM (PM₁₀ and PM_{2.5}) pollution consists of very small liquid and solid particles floating in the air. Some particles are large and dark enough to be seen as soot or smoke, and others are so small they can be detected only with an electron microscope. PM is a mixture of materials that can include smoke, soot, dust, salt, acids, and metals and can form when gases emitted from motor vehicles and industrial sources undergo chemical reactions in the atmosphere. PM or airborne dusts are the small particles that remain suspended in the air for long periods of time. Particulates of concern are PM₁₀ and PM_{2.5}, which are small enough to be inhaled, pass through the respiratory system, and lodge in the lungs, possibly leading to adverse health effects. PM_{2.5} is a subset of PM₁₀.

The composition of PM₁₀ and PM_{2.5} can vary greatly with time, location, the sources of the material, and meteorological conditions. Dust, sand, salt spray, metallic and mineral particles, pollen, smoke, mist, and acid fumes are the main components of PM₁₀ and PM_{2.5}. In addition to those listed previously, secondary particles can also be formed as precipitates from photochemical reactions of gaseous SO₂ and NO_X in the atmosphere to create sulfates (SO₄) and nitrates (NO₃), respectively. Secondary particles are of greatest concern during the winter months when low inversion layers tend to trap the precursors of secondary particulates.

In the western United States, there are sources of PM_{10} in both urban and rural areas. PM_{10} and $PM_{2.5}$ are emitted from stationary and mobile sources, including diesel trucks and other motor vehicles; power plants; industrial processes; wood-burning stoves and fireplaces; wildfires; dust from roads, construction, landfills, and agriculture; and fugitive windblown dust. Because particles originate from a variety of sources, their chemical and physical compositions vary widely.

The City is responsible for reducing local mobile source emissions. Over 81% of the region's summer ozone pollution comes from mobile vehicle sources. Therefore, reducing ozone pollution is highly contingent on reducing the number of vehicles miles traveled (VMT) in the city. The City has established the following goals to reduce VMT (City of Fresno 2014):

• Planning for and providing feasible and convenient alternative travel facilities and modes that emit fewer pollutants per person.

- Striving to ensure that trip generators (such as homes) and destinations (shops and businesses) are located near one another to allow for shorter trips.
- Planning for transit-oriented development (TOD) and higher density, mixed-use development.

Environmental Evaluation

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

The SJVAPCD developed a Clean Air Plan (CAP) that utilizes extensive science and research, state of the art air quality management, and the best available information in developing a strategy to attain the federal health-based 1997, 2006, and 2012 NAAQS for PM_{2.5} as expeditiously as possible (SJVAPCD 2018). The San Joaquin Valley is one of the fastest growing regions in the state, and the California Department of Finance (CDOF) projects that the population of the valley will increase by 19.3% between 2015 and 2030, while the state of California is only projected to increase by 12.5% in that same period (SJVAPCD 2018). An increase in population generally means there will be an increase in air pollutant emissions and VMT (SJVAPCD 2018). In addition, the City's General Plan identifies goals to reduce VMT within the city, including planning for alternative modes of transportation, mixed-use planning, and creation of TOD (City of Fresno 2014). The proposed project does not include the establishment of new land uses that could increase VMT within the region, which would be consistent with the SJVAPCD CAP and the City's General Plan. Further, the project would contribute to a reduction in vehicle pollutant emissions by reducing vehicle congestion and associated vehicle idling along Ashlan Avenue. The project would also improve pedestrian and bicycle facilities along this segment of Ashlan Avenue, which would facilitate the use of alternative modes of transportation. The project would improve pedestrian and bicycle facilities in the project area and contribute to a reduction in vehicle emissions, which would be consistent with the goals of the SJVAPCD CAP and the City's General Plan; therefore, impacts would be less than significant.

b) 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?

The SJVAB is designated as Nonattainment-Extreme for the 8-hour O_3 standard, Maintenance-Serious for the PM_{10} standard, and Nonattainment-Moderate for the $PM_{2.5}$ standard under the NAAQS and as Nonattainment for the 1-hour O_3 standard, 8-hour O_3 standard, PM_{10} standards, and $PM_{2.5}$ standards under the CAAQS. The project would primarily generate emissions during construction of the proposed roadway improvements.

Short-Term Emissions

The project includes the widening of eastbound Ashlan Avenue, which would require the demolition of existing residential structures located on two surrounding parcels (APNs 511-01-205S and 511-08-501) on the south side of Ashlan Avenue. Heavy equipment use, earth-moving construction activities, and demolition activities generate fugitive dust and combustion emissions; these may have substantial temporary impacts on local air quality. Fugitive dust emissions would result from land clearing, demolition, excavation, trenching, grading activities, and trip generation. Combustion emissions, such as NO_X and PM₁₀, are most significant when using large diesel-fueled scrapers, loaders, bulldozers, haul trucks, compressors, generators, and other types of equipment.

Estimated construction air emissions were calculated for the proposed project using the California Emissions Estimator Model (CalEEMod). The CalEEMod results are included in Appendix B, and the results of the unmitigated estimated construction emission calculations for the proposed project are shown in Table 2.

Source	Criteria Pollutant (TPY ¹)					
	ROG	NOx	СО	SOx	PM 10	PM 2.5
Project Construction	0.13	1.83	1.21	0.01	0.13	0.06
SJVAPCD Threshold	10	10	100	27	15	15
Exceed threshold?	No	No	No	No	No	No

Table 2. Annual Construction Emissions for the Proposed Project

Source: City of Fresno (2022)

¹ TPY = tons per year

Based on the results shown in Table 2, construction air emissions would be in compliance with the SJVAPCD thresholds for all pollutants; therefore, construction-related impacts would be *less than significant*.

Long-Term Emissions

The project would be limited to the operation of an existing roadway and does not include the establishment of new land uses or activities that could generate long-term air pollutant emissions in the region; therefore, the project would not be expected to exceed SJVAPCD operational thresholds. In addition, the City conducted a PM₁₀ and PM_{2.5} assessment for the proposed project (see Appendix B), which concluded that the project would improve traffic flow and reduce emissions from vehicle idling. Based on the beneficial impact related to vehicle emissions, the project would not create a new, or worsen an existing, PM₁₀ and PM_{2.5} violation. Further, the project would improve pedestrian and bicycle facilities along this portion of Ashlan Avenue, which would further contribute to a reduction in vehicle emissions by facilitating the use of alternative modes of transportation. Based on an overall improvement to traffic flow and a reduction in existing vehicle emissions, operational impacts would be *less than significant*.

c) Expose sensitive receptors to substantial pollutant concentrations?

Sensitive receptors are people that have an increased sensitivity to air pollution or environmental contaminants, such as the elderly, children, people with asthma or other respiratory illnesses, and others who are at a heightened risk of negative health outcomes due to exposure to air pollution. Some land uses are considered more sensitive to changes in air quality than others due to the population that occupies the uses and the activities involved. Sensitive receptor locations include schools, parks and playgrounds, day care centers, nursing homes, hospitals, and residences. There are single-family residences located directly north and south of this portion of Ashlan Avenue. In addition, Central East High School is located approximately 0.3 mile south of the project site and Steinbeck Elementary School is located approximately 0.3 mile southeast of the project site. Therefore, the proposed project has the potential to expose nearby residents and schools to short-term construction-related emissions. As discussed in Impact Discussion III(b), construction of the project would generate emissions, including diesel particulate matter (diesel PM) and fugitive dust. Construction and operational emissions would not exceed SJVAPCD thresholds; however, due to the proximity of sensitive receptors, compliance with the SJVAPCD Standard Regulation VIII Control Measures and Mitigation Measures AQ-1 through AQ-3 would be implemented to reduce the potential for a nuisance and exposure to diesel PM and fugitive dust. Potential impacts related to the exposure of sensitive receptors to other emissions are included in Impact Discussion III(d). Operation of the project would be limited to operation of an existing roadway and would not introduce new sources of air emissions that could expose sensitive receptors to substantial pollutant concentrations. Additionally, the project would reduce vehicle congestion and associated vehicle idling and improve bicycle and pedestrian facilities along Ashlan Avenue, which would contribute to a reduction in existing air emissions. Therefore, potential impacts would be less than significant with mitigation.

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Construction activities generally have the potential to emit odors from diesel equipment, paints, solvents, fugitive dust, and adhesives. Any odors generated by construction activities would be intermittent and temporary, and generally would not extend beyond the construction area. Any construction odors would be temporary and limited to the construction phase of the proposed project. The project does not include the establishment of new land uses or other activities that could generate long-term odors within the project area.

The project is not located in an area with known potential for naturally occurring asbestos (NOA) (Haro Environmental 2022). Therefore, construction activities would not have the potential to expose workers or surrounding land uses to harmful levels of NOA. However, based on the age of the materials within the proposed ROW, there is potential for asbestos-containing material (ACM); therefore, removal of demolished materials within the ROW may result in release of ACM. Mitigation Measure AQ-4 has been included to require ACM testing and identifies the proper protocol for the handling and removal of ACM if identified within materials proposed for demolition.

With implementation of Mitigation Measure AQ-4, the proposed project would not result in odors or other emissions; therefore, impacts would be *less than significant with mitigation*.

Conclusion

The project would be consistent with the goals intended to reduce VMT outlined in the SJVAPCD CAP and the City's General Plan. The project would not generate constructionrelated or operational air pollutant emissions above SJVAPCD thresholds of significance. With implementation of Mitigation Measures AQ-1 through AQ-4, the project would not expose sensitive receptors to substantial pollutant concentrations, adverse odors, or other emissions, and impacts related to air quality would be less than significant.

Mitigation Measures

- AQ-1 Permit Requirements. Prior to ground disturbance and construction, the Construction Contractor shall obtain all required permits for dust control and the use of portable equipment, 50 horsepower or greater, from the San Joaquin Valley Air Pollution Control District. Upon application for construction permits, all required mitigation measures shall be shown on all applicable grading or construction plans and implemented during all applicable grading and construction activities.
- AQ-2 Dust Control Measures. No person shall perform any construction, demolition, excavation, extraction, or other earthmoving activities unless measures are sufficiently implemented to limit visible dust emissions (VDE) to 20% opacity and comply with the conditions for a stabilized surface area when applicable. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of San Joaquin Valley Air Pollution Control District Regulation VIII. A person shall control the fugitive dust emissions to meet the following requirements:
 - 1. Pre-Activity:
 - a. Pre-water site sufficient to limit VDE to 20% opacity, and
 - b. Phase work to reduce the amount of disturbed surface area at any one time.
 - 2. During Active Operations:
 - a. Apply water or chemical/organic stabilizers/suppressants sufficient to limit VDE to 20% opacity; or
 - b. Construct and maintain wind barriers sufficient to limit VDE to 20% opacity. If utilizing wind barriers, control measure 2.a above shall also be implemented.
 - c. Apply water or chemical/organic stabilizers/suppressants to unpaved haul/access roads and unpaved vehicle/equipment traffic areas sufficient to limit VDE to 20% opacity and meet the conditions of a stabilized unpaved road surface.

- 3. Temporary Stabilization During Periods of Inactivity:
 - a. Restrict vehicular access to the area; and
 - b. Apply water or chemical/organic stabilizers/suppressants, sufficient to comply with the conditions of a stabilized surface. If an area having 0.5 acre or more of disturbed surface area remains unused for 7 or more days, the area must comply with the conditions for a stabilized surface area as defined in section 3.58 of Rule 8011.
- AQ-3 **Construction Emissions.** The project shall utilize clean off-road construction equipment, including the latest tier equipment, where feasible.
- AQ-4 Asbestos-Containing Material. An asbestos-containing material (ACM) survey consisting of a visual inspection, sampling, testing, and reporting shall be performed to determine if building materials contain ACM and would require special handling and disposal during demolition. If ACM is detected, California Department of Transportation (Caltrans) Standard Special Provision (SSP) 14-9.02 shall be followed.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES -	Would the pr	oject:		
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?		Х		
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 US Fish and Wildlife Service?				Х

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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?				Х
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?			х	
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?		х		
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?				Х

DISCUSSION

<u>Setting</u>

The Federal Endangered Species Act (FESA) of 1973 provides legislation to protect federally listed plant and animal species. The California Endangered Species Act (CESA) of 1984 ensures legal protection for plants listed as rare or endangered and animal species formally listed as endangered or threatened, and also maintains a list of California Species of Special Concern (SSC). SSC status is assigned to species that have limited distribution, declining populations, diminishing habitat, or unusual scientific, recreational, or educational value. Under state law, the California Department of Fish and Wildlife (CDFW) has the authority to review projects for their potential to impact special-status species and their habitats.

The Migratory Bird Treaty Act (MBTA) protects all migratory birds, including their eggs, nests, and feathers. The MBTA was originally drafted to put an end to the commercial trade in bird feathers, popular in the latter part of the 1800s. The MBTA is enforced by the U.S. Fish and Wildlife Service (USFWS), and potential impacts to species protected under the MBTA are evaluated by the USFWS in consultation with other federal agencies and are required to be evaluated under CEQA.

The project site consists of a 0.5-mile segment of Ashlan Avenue and portions of surrounding residential, business, and community center land uses. The project area consists entirely of paved roads, ornamental vegetation and trees, ruderal/disturbed vegetation, bare ground, and residential development. According to the USFWS NWI Surface Waters and Wetlands mapper, there are no mapped drainages or wetland areas located within the project area (USFWS 2022). There is a man-made pond located directly north of the project site.

Based on a nine-quadrant query of the CDFW California Natural Diversity Database (CNDDB), the following special-status species and have been previously documented in the project vicinity (CDFW 2022).

Special-Status Plants

The following five special-status plant species have been previously documented in the project vicinity:

- Succulent owl's-clover (*Castilleja campestris* var. *succulenta*) is a California Rare Plant Rank (CRPR) 1B.2 species that typically occurs in vernal pool and wetland areas. The nearest recorded occurrence is approximately 7.2 miles northeast of the project area (CNDDB Occ. 7).
- California jewelflower (*Caulanthus californicus*) is a CRPR 1B.1 species that typically occurs in chenopod scrub, pinion and juniper woodlands, and valley and foothill grasslands. The nearest recorded occurrence is approximately 0.8 mile east of the project area (CNDDB Occ. 38).
- Palmate-bracted bird's-beak (*Chloropyron palmatum*) is a CRPR 1B.1 species that typically occurs in chenopod scrub, meadow and seep, valley and foothill grassland, and wetland habitats. The nearest recorded occurrence is approximately 21 miles southwest of the project area (CNDDB Occ. 6).
- San Joaquin Valley Orcutt grass (*Orcuttia inaequalis*) is a CRPR 1B.1 species that typically occurs in vernal pool and wetland habitats. The nearest recorded occurrence is approximately 5.7 miles northeast from the project area (CNDDB Occ. 21).
- Hairy Orcutt grass (*Orcuttia pilosa*) is a CRPR 1B.1 species that typically occurs in vernal pool and wetland habitats. The nearest recorded occurrence is approximately 5 miles north from the project area (CNDDB Occ. 28).

The project area consists entirely of paved roads, ornamental vegetation and trees, ruderal/disturbed vegetation, bare ground, and residential development and does not support suitable habitat for the special-status plant species listed above. In addition, the

project site is subject to frequent human and vehicle disturbance, which further reduces the potential for special-status plant species to occur within the project area.

Special-Status Animals

The following nine special-status animal species have been previously documented in the project vicinity:

- San Joaquin kit fox (*Vulpes macrotis mutica*) is a federally endangered and state threatened species that typically occurs in chenopod scrub and valley and foothill grasslands. The nearest recorded occurrence is approximately 2 miles northwest from the project area (CNDDB Occ. 89).
- Fresno kangaroo rat (*Dipodomys nitratoides exilis*) is a federally and state endangered species that typically occurs in chenopod scrub habitat. The nearest recorded occurrence is approximately 1.3 miles southeast from the project area (CNDDB Occ. 15).
- California tiger salamander Central California Distinct Population Segment (DPS) (*Ambystoma californiense* pop. 1) is a federally and state threatened species that typically occurs in cismontane woodland, meadow and seep, riparian woodland, valley and foothill grassland, vernal pool, and wetland habitats. The nearest recorded occurrence is approximately 0.4 mile northeast from the project area (CNDDB Occ. 1,043).
- Blunt-nosed leopard lizard (*Gambelia sila*) is a federally and state endangered species that typically occurs in chenopod scrub habitat. The nearest recorded occurrence is approximately 13.5 miles northwest from the project area (CNDDB Occ. 107).
- Valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*) is a federally threatened species that typically occurs in chenopod scrub habitat. The nearest recorded occurrence is approximately 3.8 miles northwest from the project area (CNDDB Occ. 143).
- Vernal pool fairy shrimp (*Branchinecta lynchi*) is a federally threatened species that typically occurs in valley and foothill grassland, vernal pool, and wetland habitats. The nearest recorded occurrence is approximately 7.4 miles northeast from the project area (CNDDB Occ. 827).
- Western yellow-billed cuckoo (*Coccyzus americanus occidentalis*) is a federally threatened and state endangered species that typically occurs in riparian forest habitat. The nearest recorded occurrence is approximately 7.5 miles northeast from the project area (CNDDB Occ. 197).
- Swainson's hawk (*Buteo swainsoni*) is a state threatened species that typically occurs in grassland, riparian forest, riparian woodland, and valley and foothill grassland habitats. The nearest recorded occurrence is approximately 0.7 mile east from the project area (CNDDB Occ. 2,583).
- Tricolored blackbird (*Agelaius tricolor*) is a state threatened species that typically occurs in freshwater marsh, marsh, swamp, and wetland habitats. The nearest

recorded occurrence is approximately 7.2 miles northeast from the project area (CNDDB Occ. 269).

The project site consists of ornamental trees, which may support marginal nesting habitat for special-status and/or migratory bird species; however, based on the developed nature of the project site and surrounding area, lack of connectivity to natural areas, and frequent human and vehicle disturbance, the project site does not support suitable habitat for other special-status animal species listed above.

Environmental Evaluation

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 Wildlife or the U.S. Fish and Wildlife Service?

The project site does not support suitable habitat for special-status plant species known to occur in the region and is subject to frequent human and vehicle disturbance, which further reduces the potential for special-status plant species to occur within the project area. Based on the lack of suitable habitat and frequent human and vehicle disturbance, special-status plant species are not expected to occur within the project area; therefore, the project would not result in adverse effects to special-status plant species and impacts would be *less than significant*.

Special-status animal species known to occur in the region are not expected to occur within the project area based on the lack of suitable habitat, negligible connectivity to natural areas, and frequent site disturbance; however, there is low potential for special-status and migratory bird species to nest in the ornamental trees within the project area. Proposed tree removal and other construction activities have the potential to result in direct and indirect disturbance to special-status and nesting bird species if present within the project area during construction. Mitigation Measure BIO-1 has been included to require preconstruction nesting bird surveys and identifies the proper protocol to be implemented if birds are found nesting within the project area. Implementation of the identified mitigation would avoid and/or minimize potential impacts related to special-status and nesting migratory birds; therefore, impacts related to special-status animal species would be *less than significant with mitigation*.

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

The project area consists entirely of paved roads, ornamental vegetation and trees, ruderal/disturbed vegetation, bare ground, and residential development. According to the USFWS NWI Surface Waters and Wetlands Mapper, there are no mapped wetland areas within or adjacent to the project area that could support any riparian habitat (USFWS 2022). In addition, the project site consists of a developed roadway that experiences frequent human and vehicle disturbance and would not support suitable habitat for any sensitive natural communities. Therefore, the project would not result

in a substantial adverse effect on any riparian habitat or other sensitive natural community, and *no impacts* would occur.

c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

According to the USFWS NWI Surface Waters and Wetlands Mapper, there are no mapped wetland areas within or adjacent to the project area (USFWS 2022). Based on the absence of wetlands within the project area, the project would not result in a substantial adverse effect on a federally or state-protected wetland; therefore, *no impacts* would occur.

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?

According to the CNDDB Essential Habitat Connectivity Viewer, the project site is located in an area with limited connectivity potential (CDFW 2022). The project site and surrounding area consists of existing development, including roadways, residences, small businesses, community centers, fencing, and other features, which further reduces terrestrial habitat connectivity within the area. There are no waterways within the project area that could provide migratory fish or breeding habitat. Since the project area does not provide terrestrial or aquatic habitat connectivity, the project would not preclude use of the site as a terrestrial or aquatic wildlife corridor. As previously identified, there is low potential for migratory birds to utilize ornamental trees within the project area for nesting habitat. The project would result in the removal of ornamental trees within the proposed ROW; however, trees located outside of the ROW would remain in place. Therefore, proposed tree removal would not interfere substantially with the movement of migratory species, and impacts would be *less than significant*.

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

Objective POSS-5 of the *Parks, Open Space, and Schools Element*, Chapter 5 of the City's General Plan, identifies the need to provide for long-term preservation, enhancement, and enjoyment of plant, wildlife, and aquatic habitat. Mitigation Measure BIO-1 has been included in *Impact Discussion IV(a)* to require preconstruction nesting bird surveys and identifies the proper protocol to be implemented if birds are found nesting within the project area. With implementation of Mitigation Measure BIO-1 to reduce impacts related to special-status and migratory bird species, the project would be consistent with objectives of the City's General Plan related to the protection of biological resources. In addition, Section 13-305 (Tree Preservation) of the City's Municipal Code requires the use of techniques, methods, and procedures to preserve, whenever feasible, all trees in the city, including, but not limited to, trees that are affecting surface improvements or underground facilities or are diseased or located where construction is being considered or will occur. The project would require the removal of ornamental trees within the proposed ROW. In

accordance with Municipal Code Section 13-305(b), the Director of Public Works would be responsible for the preservation and removal of trees within the proposed ROW. With implementation of Mitigation Measure BIO-1, the proposed project would be consistent with local policies or ordinances protecting biological resources, including the City's *Parks, Open Space, and Schools Element* and Tree Preservation Ordinance; therefore, impacts would be *less than significant with mitigation*.

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?

The project does not overlap with any adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other conservation plans. Therefore, the project would not conflict with any approved local, regional, or state habitat conservation plans, and *no impacts* would occur.

Conclusion

Mitigation Measure BIO-1 has been included to avoid and/or minimize potential impacts related to biological resources. Therefore, with implementation of Mitigation Measure BIO-1, potential impacts related to biological resources would be less than significant.

Mitigation Measures

- **BIO-1 Preconstruction Nesting Bird Survey.** Prior to initiation of any site preparation/ construction activities, if work is planned to occur between February 1 and September 15, a qualified biologist shall survey the area for nesting birds within 1 week prior to initial project activity beginning, including ground disturbance and/or vegetation removal/trimming. If nesting birds are located on or near the proposed project site, they shall be avoided until they have successfully fledged, or the nest is no longer deemed active, as detailed below:
 - 1. A 50-foot exclusion zone shall be placed around non-listed, passerine species and a 250-foot exclusion zone will be implemented for raptor species. Each exclusion zone shall encircle the nest and have a radius of 50 feet (non-listed passerine species) or 250 feet (raptor species). All project activities, including foot and vehicle traffic and storage of supplies and equipment, are prohibited inside exclusion zones. Exclusion zones shall be maintained until all exterior construction activities have been terminated for the current phase of work (e.g., if initial site improvements are completed, exclusion zones may be removed until initiation of site preparation for residence construction begins), or it has been determined by a qualified biologist that the young have fledged or that proposed project activities would not cause adverse impacts to the nest, adults, eggs, or young.
 - 2. If special-status avian species are identified and nesting within the work area, no work will begin until an appropriate exclusion zone is

determined in consultation with the City of Fresno and any relevant resource agencies.

The results of the survey shall be provided to the City of Fresno prior to initiation of site preparation/construction activities. The results shall detail appropriate fencing or flagging of exclusion zones and include recommendations for additional monitoring requirements. A map of the project site and nest locations shall be included with the results. The qualified biologist conducting the nesting survey shall have the authority to reduce or increase the recommended exclusion zone depending on site conditions and species (if non-listed).

If 2 weeks lapse between different phases of project activities (e.g., vegetation trimming, the start of grading), during which no or minimal work activity occurs, the nesting bird survey shall be repeated, and a separate survey report shall be prepared and submitted to the City of Fresno.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?				х
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?		х		
c) Disturb any human remains, including those interred outside of formal cemeteries?		х		

DISCUSSION

<u>Setting</u>

The Yokuts were the first inhabitants of the Fresno area, with small tribes occupying the floodplains of Big Dry Creek and Little Dry Creek. There were no missions in the San Joaquin Valley, but there were small Mexican-era settlements, such as Pueblo de las Junta. Following the Gold Rush of 1849, miners were drawn to the southern gold fields. Additionally, cattle ranchers and dryland farmers moved to the area. The Central Pacific Railroad was established in Fresno in 1872 and agricultural colonies began appearing in 1875. In 1887 an agricultural boom brought prosperity to the city, and by 1900 Fresno was the market center of what is now the richest farming region in the United States (City of Fresno 2014).

PRC Section 5024.1 requires that any properties that can be expected to be directly or indirectly affected by a proposed project be evaluated for California Register of Historical Resources (CRHR) eligibility. The purpose of the CRHR is to maintain listings of the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from material impairment and substantial adverse change.

As defined by CEQA, a historical resource includes:

- 1. A resource listed in or determined to be eligible for listing in the CRHR.
- 2. Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant. The architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural records of California may be considered to be a historical resource, provided the lead agency's determination is supported by substantial evidence.

Resources are evaluated for eligibility for the CRHR under the following four criteria:

- **Criterion 1:** The resource is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
- **Criterion 2:** The resource is associated with the lives of persons important in our past;
- **Criterion 3:** The resource embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; and
- **Criterion 4:** The resource has yielded, or may be likely to yield, information important in prehistory or history.

An Archaeological Survey Report (ASR) and a Supplemental ASR were prepared for the proposed project to determine the presence and the likelihood of presence of cultural resources within the project area (SWCA Environmental Consultants [SWCA] 2022a, 2023b). The ASR and Supplemental ASR include the results and findings of background review and a pedestrian survey of the project area. A records search was conducted at the Southern San Joaquin Valley Information Center (SSJVIC) located at California State University, Bakersfield to identify any previously recorded cultural resources within the project area. The records search was negative for previously recorded resources. In addition. SWCA contacted the Native American Heritage Commission (NAHC), requesting a search of their Sacred Lands File, which was negative for previously recorded resources. A pedestrian field survey was conducted along the roadway alignment on November 5, 2021, and no cultural resources or evidence of cultural resources were observed (SWCA 2022a). A pedestrian field survey of the parcel proposed for full ROW take was conducted on August 4, 2023, and no cultural resources or evidence of cultural resources were observed (SWCA 2023b). In addition, a Historical Resources Evaluation Report (HRER) was prepared for the proposed project to determine if historical resources are present within the project area (SWCA 2023a). The HRER includes the results and findings of the background review of primary and secondary source materials at online repositories and archives and a pedestrian survey

of the project area. The HRER determined that the existing residential structures proposed for removal do not qualify for listing as a historical resource in the National Register of Historic Places (NRHP) or CRHR (SWCA 2023a). A Historical Property Survey Report (HPSR) and Supplemental HPSR were prepared for the project and concluded that there are no historic properties present within the project area, including the roadway alignment and parcel proposed for full ROW take (SWCA 2022b, 2023c).

Environmental Evaluation

a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?

The project would widen eastbound Ashlan Avenue from one lane to two lanes, to the ultimate ROW configuration, which would require the removal of existing residential structures located within the proposed ROW. In addition, the project includes full ROW take with removal of existing structures from APN 511-01-205S on the south side of Ashlan Avenue. In addition, the partial ROW take of APN 511-08-501 from the south side of Ashlan Avenue would require the removal and demolition of two additional residential structures. Based on the records search conducted for the proposed project, there is one historic building located within a 0.25-mile radius of the project area; however, there are no historic resources located within the project area (SWCA 2022b, 2023c). In addition, the existing residential structures proposed for removal do not qualify for listing as historical resources in the NRHP or CRHR (SWCA 2023a). Since there are no historic resources located within the project area, the project would not cause a substantial adverse change in the significance of a historical resource. In addition, the project does not include the use of high-impact construction activities (i.e., pile driving) that could directly or indirectly damage or result in adverse changes to the nearby historical building. Therefore, no impacts would occur.

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

Construction activities associated with the project would result in approximately 4 acres of ground disturbance, including approximately 3,000 cubic yards of cut and 3,000 cubic yards of fill. The project site consists of previously disturbed and developed areas, which reduces the potential for intact archaeological resources to be present within proposed areas of disturbance. Based on a records search conducted at the SSJVIC and the NAHC SLF, there are no previously recorded archaeological resources within the project area. Additionally, no archaeological resources or evidence of archaeological resources were observed during a field survey of the project area. Based on the findings of the records search and pedestrian field survey, the project area is considered to have low sensitivity for the presence of unidentified prehistoric or historic archaeological resources; therefore, proposed ground-disturbing activities are not anticipated to adversely affect any known or unknown cultural resource sites within the project area (SWCA 2022a, 2023b). Further, Mitigation Measure CR-1 requires that in the unlikely event that previously unidentified cultural resources are uncovered during proposed ground-disturbing activities, all work shall cease within the vicinity of the find until a gualified archaeologist is retained to evaluate the significance of the find and determine the

need for further study. Based on the low potential to uncover archaeological resources within the project area and implementation of Mitigation Measure CR-1, the project would not result in adverse impacts to known or unknown cultural resources, and impacts would be *less than significant with mitigation*.

c) Disturb any human remains, including those interred outside of formal cemeteries?

There are no known human remains or cemeteries located within or in the immediate vicinity of the project site and the project area is considered to have low sensitivity for the presence of unidentified human resources (SWCA 2022a, 2023b). Mitigation Measure CR-2 has been identified to require the project to comply with California Health and Safety Code Section 7050.5, which outlines the protocol for unanticipated discovery of human remains. Section 7050.5 states that no further disturbance shall occur until the Fresno County Coroner has made a determination of origin and disposition pursuant to PRC Section 5097.98. The Fresno County Coroner must be notified of the find immediately. If the human remains are determined to be prehistoric, the coroner will notify the NAHC, which will determine and notify a Most Likely Descendant (MLD). The MLD shall complete the inspection of the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials. Based on implementation of Mitigation Measure CR-2, the project would not result in disturbance to human remains; therefore, impacts related to disturbance of human remains would be less than significant with mitigation.

Conclusion

There are no known historic or archaeological resources located within the project area. With implementation of Mitigation Measures CR-1 and CR-2 and required compliance with California Health and Safety Code 7050.5, the proposed project would not adversely affect unknown archaeological resources or human remains, and impacts related to cultural resources would be less than significant.

Mitigation Measures

CR-1 If previously unknown resources are encountered before or during grading activities, construction shall stop in the immediate vicinity of the find and a qualified historical resources specialist shall be consulted to determine whether the resource requires further study. The qualified historical resources specialist shall make recommendations to the City of Fresno on the measures that shall be implemented to protect the discovered resources, including but not limited to excavation of the finds and evaluation of the finds in accordance with Section 15064.5 of the California Environmental Quality Act (CEQA) Guidelines and the City of Fresno's Historic Preservation Ordinance. If the resources are determined to be unique historical resources as defined under Section 15064.5 of the State CEQA Guidelines, measures shall be identified by the monitor and recommended to the Lead Agency. Appropriate measures for significant resources could include avoidance or capping, incorporation of the finds. No
further grading shall occur in the area of the discovery until the Lead Agency approves the measures to protect these resources. Any historical artifacts recovered as a result of mitigation shall be provided to a City of Fresnoapproved institution or person who is capable of providing long-term preservation to allow future scientific study.

CR-2 In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to Health and Safety Code (HSC) Section 7050.5, no further disturbance shall occur until the County Coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code (PRC) Section 5097.98(a). If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then contact the most likely descendent of the deceased Native American, who shall then serve as the consultant on how to proceed with the remains. Pursuant to PRC Section 5097.98(b), upon the discovery of Native American remains, the landowner shall ensure that the immediate vicinity, according to generally accepted cultural or archaeological standards or practices, where the Native American human remains are located is not damaged or disturbed by further development activity until the landowner has discussed and conferred with the most likely descendants regarding their recommendations, if applicable, taking into account the possibility of multiple human remains. The landowner shall discuss and confer with the descendants all reasonable options regarding the descendants' preferences for treatment.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. ENERGY – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			Х	
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			х	

DISCUSSION

<u>Setting</u>

Construction energy relates to a direct one-time energy expenditure and typically includes energy use in the form of fossil fuels, electricity, and natural gas for the operation of

vehicles and construction equipment. Typically, operational energy use includes the use of electricity and natural gas. Operational vehicle trips typically require the use of fossil fuels.

The Pacific Gas and Electric Company (PG&E) provides almost all of the electricity and natural gas for the city of Fresno (City of Fresno 2014). The 2021 PG&E electric power mix consists of 50% renewable energy sources and 43% greenhouse gas (GHG)-free energy sources (PG&E 2021). Approximately 5% of PG&E's power mix is made up of natural gas (PG&E 2021).

Vehicle Fuel Economy Standards

In October 2012, the USEPA and National Highway Traffic Safety Administration (NHSTA), on behalf of the U.S. Department of Transportation (USDOT), issued final rules to further reduce GHG emissions and improve corporate average fuel economy (I) standards for light-duty vehicles for model years 2017 and beyond. The NHTSA's I standards have been enacted under the Energy Policy and Conservation Act since 1978. This national program requires automobile manufacturers to build a single light-duty national fleet that meets all requirements under both federal programs and the standards of California and other states. This program would increase fuel economy to the equivalent of 54.5 miles per gallon (mpg), limiting vehicle emissions to 163 grams of carbon dioxide (CO₂) per mile for the fleet of cars and light-duty trucks by the model year 2025.

In January 2017, USEPA Administrator Gina McCarthy signed a Final Determination to maintain the current GHG emissions standards for the model years 2022 through 2025 vehicles. However, on March 15, 2017, USEPA Administrator Scott Pruitt and USDOT Secretary Elaine Chao announced that the USEPA intends to reconsider the Final Determination. On April 2, 2018, USEPA Administrator Pruitt officially withdrew the January 2017 Final Determination, citing information that suggests that these current standards may be too stringent due to changes in key assumptions since the January 2017 Determination. According to the USEPA, these key assumptions include gasoline prices and overly optimistic consumer acceptance of advanced technology vehicles. The April 2nd notice is not USEPA's final agency action, and the USEPA intends to initiate rulemaking to adopt new standards. Until that rulemaking has been completed, the current standards remain in effect.

As part California's overall approach to reducing pollution from all vehicles, the CARB has established standards for clean gasoline and diesel fuels and fuel economies of new vehicles. The CARB has also put in place innovative programs to drive the development of low-carbon, renewable, and alternative fuels, such as their Low Carbon Fuel Standard (LCFS) Program pursuant to California Assembly Bill (AB) 32 and the Governor's Executive Order S-01-07.

In January 2012, the CARB approved the Advanced Clean Cars Program, which combines the control of GHG emissions and criteria air pollutants, as well as requirements for greater numbers of zero-emission vehicles, into a single package of standards for vehicle model years 2017 through 2025. The new rules strengthen the GHG standard for

2017 models and beyond. This will be achieved through existing technologies, the use of stronger and lighter materials, and more efficient drivetrains and engines. The program's zero-emission vehicle regulation requires battery, fuel cell, and/or plug-in hybrid electric vehicles to account for up to 15% of California's new vehicle sales by 2025. The program also includes a clean fuels outlet regulation designed to support the commercialization of zero-emission hydrogen fuel cell vehicles planned by vehicle manufacturers by 2015 by requiring increased numbers of hydrogen fueling stations throughout the state. The number of stations will grow as vehicle manufacturers sell more fuel cell vehicles. By 2025, when the rules will be fully implemented, the statewide fleet of new cars and light trucks will emit 34% fewer global warming gases and 75% fewer smog-forming emissions than the statewide fleet in 2016 (CARB 2022).

All self-propelled off-road diesel vehicles 25 horsepower (hp) or greater used in California and most two-engine vehicles (except on-road two-engine sweepers) are subject to the CARB's Regulation for In-Use Off-Road Diesel Fueled Fleets (Off-Road regulation). This includes vehicles that are rented or leased (rental or leased fleets). The overall purpose of the Off-Road regulation is to reduce emissions of NO_X and PM from off-road diesel vehicles operating within California through the implementation of standards, including, but not limited to, limits on idling, reporting and labeling of off-road vehicles, limitations on use of old engines, and performance requirements.

The *Resource Conservation and Resilience Element*, Chapter 7 of the City's General Plan, identifies the need to reduce energy use in order to conserve energy resources for future generation. The following objective is applicable to the proposed project:

• **RC-8:** Reduce the consumption of non-renewable energy resources by requiring and encouraging conservation measures and the use of alternative energy sources.

Environmental Evaluation

a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

During construction, fossil fuels, electricity, and natural gas would be used by construction vehicles and equipment. The energy consumed during construction would be temporary in nature and would be typical of other similar construction activities in the city. Federal and state regulations in place require the use of fuel-efficient equipment and vehicles and require wasteful activities, such as diesel idling, to be limited. Further, construction contractors, in an effort to ensure cost efficiency, would not be expected to engage in wasteful or unnecessary energy and fuel practices, such as diesel idling. Energy consumption during construction would not conflict with a state or local plan for renewable energy and would not be wasteful, unnecessary, or inefficient; therefore, would be *less than significant*.

Following construction, the project would operate as a roadway and would not require significant use of energy resources, such as electricity and natural gas. Electricity use for the project would be limited to the installation of 12 light-emitting diode (LED)

streetlights for safety and illumination purposes. Electricity would be provided by PG&E, which consists of 50% renewable energy sources and 43% GHG-free energy sources (PG&E 2021). By using electricity from PG&E, the project would reduce the long-term use of non-renewable energy resources. The project would be limited to the operation of an existing roadway and does not include the establishment of new land uses or activities that could generate an increase in vehicle trips to and from the project site or would otherwise increase the use of fossil fuels. Additionally, the project would reduce vehicle congestion and associated vehicle idling and would improve bicycle and pedestrian facilities along Ashlan Avenue, which would contribute to a reduction in existing fossil fuel use. Based on the limited amount of electricity use required for operation of the project, the project would not cause a substantial increase in energy use; therefore, operational impacts would be *less than significant*.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

The City's Resource Conservation and Resilience Element identifies goals and policies to reduce the consumption of non-renewable energy resources by requiring and encouraging conservation measures and the use of alternative energy sources (City of Fresno 2014). As previously evaluated, proposed construction activities would require the use of energy in the form of diesel fuel and gasoline for worker and construction vehicles and equipment. The energy consumed during construction would be temporary and would not represent a significant or wasteful demand on available resources. Although not required to reduce construction-related energy consumption, Mitigation Measure AQ-3, included in Section III, Air Quality, requires the use of clean off-road construction equipment, including the latest tier equipment, where feasible during project construction, which would be consistent with the City's General Plan goals related to the use of alternative energy sources. Based on the limited amount of energy consumption during project construction, constructionrelated energy use would comply with goals and policies of the Resource Conservation and Resilience Element; therefore, construction-related impacts would be less than significant.

The project would be limited to the operation of an existing roadway and does not include the establishment of new land uses or activities that would generate an increase in vehicle trips to and from the project site or otherwise increase the use of fossil fuels, which is consistent with applicable state and local energy efficiency objectives. Electricity use for operation of the project would be limited to the installation of LED streetlights for safety and illumination purposes. Electricity would be provided by PG&E, which consists of 50% renewable energy sources and 43% GHG-free energy sources (PG&E 2021). By using electricity from PG&E, the project would reduce the long-term use of non-renewable energy resources, and operational energy consumption would be compliant with goals and policies of the City's *Resource Conservation and Resilience Element*; therefore, operational impacts would be *less than significant*.

Conclusion

The project would not result in excessive energy use during construction or operation and would be consistent with applicable energy efficiency plans; therefore, impacts related to energy would be less than significant.

Mitigation Measures

Mitigation is not necessary; however, Mitigation Measure AQ-3, included in Section III, *Air Quality,* would further reduce already less-than-significant impacts.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. GEOLOGY AND SOILS - Wo	uld the projec	:t:		
a) Directly or Indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				Х
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.			Х	
ii) Strong seismic ground shaking?			Х	
iii) Seismic-related ground failure, including liquefaction?			Х	
iv) Landslides?			Х	
b) Result in substantial soil erosion or the loss of topsoil?			Х	
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?			Х	

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?			Х	
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?				×
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?			x	

Ground shaking refers to the motion that occurs in response to regional and local earthquakes. Seismic ground shaking is influenced by the proximity of the site to an earthquake fault, the intensity of the seismic event, and the underlying soil composition. Ground shaking can endanger life and safety due to damage or collapse of structures or lifeline facilities. Liquefaction is the sudden loss of soil strength due to a rapid increase in soil pore water pressure resulting from ground shaking during an earthquake. Landslides and slope instability can occur as a result of wet weather, weak soils, improper grading, improper drainage, steep slopes, adverse geologic structure, earthquakes, or a combination of these factors.

Fresno is a geologically stable area, does not lie within a known active earthquake fault zone, and is not located in an Alquist-Priolo Special Fault Study Zone. According to the CDOC Fault Activity map of California, the nearest fault to the project site is the pre-quaternary Clovis Fault, located approximately 15 miles northeast of the project site (CDOC 2015b). Other mapped faults are located more than 50 miles west of the project site (CDOC 2015b). Overall, seismic-related risks such as liquefaction and subsidence are considered low within the city (City of Fresno 2014). In addition, the city of Fresno has a low risk of landslide (County of Fresno 2018).

Highly erodible soils are those that are easily carried by water and, to a lesser extent, by wind. Surface erosion is more commonly visible, but subsurface erosion can lead to damage to pipes, roads, foundations, and other structural elements. Expansive soils are largely comprised of clays, which expand in volume when water is absorbed and shrink as the soil dries. Expansion is measured by shrink-swell potential, which is the volume change in soil with a gain in moisture. If the shrink-swell potential is rated moderate to

high, then damage to buildings, roads, structural foundations, and pipes can occur. In the northern portion of the city, there are some areas of expansive clay soil that require special construction standards for foundations and infrastructure. Expansive clay problems can be surmounted by appropriate engineering design and construction techniques.

The project site is underlain by older alluvium (Qoa), which has a low paleontological sensitivity (CDOC 2015a; SWCA 2003).

Environmental Evaluation

- a) Directly or indirectly cause 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.

The city of Fresno is not located in an Alquist-Priolo Special Fault Study Zone and there are no active faults within the city (City of Fresno 2014). Therefore, the project would not result in the risk of loss, injury, or death involving rupture of a known fault, and *no impacts* would occur.

ii. Strong seismic ground shaking?

As previously identified, there are no active faults within the city (City of Fresno 2014). The nearest fault to the project site is the pre-quaternary Clovis Fault, located approximately 15 miles northeast; other mapped faults are located more than 50 miles west of the project site (CDOC 2015b). Based on the low risk of seismic activity within the region, seismic-related risks, including ground shaking, are considered low within the city (City of Fresno 2014). Proposed roadway improvements would be required to be designed in a manner that would avoid or minimize risk of loss, injury, or death as a result of seismic activity and related ground failure. The project would also be required to meet or exceed seismic design standards identified in the Caltrans Seismic Design Criteria (SDC), Version 2.0 (Caltrans 2019). Roadway, pedestrian, and bicycle path elements would be required to comply with the American Association of State Highway and Transportation Officials (AASHTO) A Policy on Geometric Design of Highways and Streets ("The Green Book;" AASHTO 2018) and relevant City Public Works Department standards. Based on required compliance with applicable roadway design standards, the project would not result in the risk of loss, injury, or death as a result of seismic ground shaking; therefore, impacts would be less than significant.

iii. Seismic-related ground failure, including liquefaction?

Liquefaction takes place when loosely packed, water-logged sediments at or near the ground surface lose their strength in response to strong ground shaking. The existing roadway prism consists of artificial fill at the ground surface, which reduces the potential for liquefaction to occur at the project site. Further, because there is low risk of seismic activity and associated seismic ground-shaking within the city, the potential for liquefaction to occur is low. Proposed roadway improvements would be required to be designed in a manner that would avoid or minimize risk of loss, injury, or death as a result of seismic activity and related ground failure. The project would also be required to meet or exceed seismic design standards identified in the Caltrans SDC, Version 2.0. Roadway, pedestrian, and bicycle path elements would be required to comply with AASHTO's "The Green Book" and relevant City Public Works Department standards. Based on required compliance with applicable roadway design standards, the project would not result in the risk of loss, injury, or death as a result of liquefaction; therefore, impacts would be *less than significant*.

iv. Landslides?

The city of Fresno has a low risk of landslides (County of Fresno 2018). The project site and surrounding area are characterized by relatively flat topography, which further reduces the potential for landslide to occur. Proposed roadway improvements would be required to be designed in a manner that would avoid or minimize risk of loss, injury, or death as a result of seismic activity and related ground failure. The project would also be required to meet or exceed seismic design standards identified in the Caltrans SDC, Version 2.0. Roadway, pedestrian, and bicycle path elements would be required to comply with AASHTO's "The Green Book" and relevant City Public Works Department standards. Based on required compliance with applicable roadway design standards, the project would not result in the risk of loss, injury, or death as a result of landslides; therefore, impacts would be *less than significant*.

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

Construction of the proposed project would result in approximately 4 acres of ground disturbance, including approximately 3,000 cubic yards of cut and 3,000 cubic yards of fill. Proposed ground-disturbing activities have the potential to increase erosion at the project site, which could run off into surrounding areas. The project would disturb more than 1 acre of soils and would be required to comply with Regional Water Quality Control Board (RWQCB) general construction permit requirements. In addition, the project would be required to comply with the City Municipal Code Article 7 (Urban Storm Water Quality Management and Discharge Control), which requires the implementation of best management practices (BMPs) to reduce erosive runoff during construction. Following project construction, the project site would be covered with hardscapes, which would reduce the potential for long-term erosion to occur at the project site. Based on required compliance with RWQCB and City requirements, impacts related to substantial erosion would be *less than significant*.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

As previously stated, the risk of liquefaction, subsidence, and landslides are considered low within the city (City of Fresno 2014; County of Fresno 2018). Proposed roadway improvements would be required to be designed in a manner that would avoid or minimize risk as a result of potential ground-failure events. The project would also be required to meet or exceed seismic design standards identified in the Caltrans SDC and roadway, pedestrian, and bicycle path elements would be required to comply with AASHTO's "The Green Book" and relevant City Public Works Department standards. Based on required compliance with applicable roadway design standards, the project would not result in risk related to potential ground-failure events; therefore, impacts would be *less than significant*.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Typically, expansive soils are comprised of clay. Soils at the project site include San Joaquin sandy loam and San Joaquin loam, which are largely comprised of sandy loam and loam; therefore, soils at the project site have a low potential for expansion. Further, the project would be required to comply with Caltrans, AASHTO, and City Public Works Department requirements for roadway design to reduce potential risks related to development on expansive soils. Based on existing site conditions and required compliance with the applicable roadway design standards, the project would not result in risk to life or property as a result of development on expansive soils; therefore, impacts would be *less than significant*.

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?

The project does not include the installation of septic tanks or alternative wastewater disposal systems; therefore, *no impacts* would occur.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

The project site is underlain by older alluvium (Qoa), which has a low paleontological sensitivity (CDOC 2015a; SWCA 2003). In addition, the project site primarily consists of previously developed areas; therefore, there is low potential for intact paleontological resources to be present within the proposed area of disturbance. Construction activities are anticipated to be within the existing developed prism of the road and are not expected to disturb the underlying bedrock. Based on the low paleontological sensitivity of the underlying geologic unit and limited excavation activity, the project would not disturb paleontological resources; therefore, impacts would be *less than significant*.

Conclusion

Proposed roadway improvements would be required to be designed and constructed according to AASHTO and Caltrans standards and requirements, which would reduce the potential for risk of loss, injury, or death as a result of seismic or other geologic stresses. Based on required compliance with RWQCB and City requirements, the project would not result in impacts related to substantial erosion. The project does not include the installation of septic tanks or alternative wastewater disposal systems. In addition, based on the low paleontological sensitivity of the underlying geologic unit and limited excavation activity, the project would not disturb paleontological resources. Therefore, impacts related to geology and soils would be less than significant.

Mitigation Measures

Mitigation is not necessary.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSI	ONS – Would	the project:		
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			Х	
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			х	

DISCUSSION

<u>Setting</u>

GHGs are any gases that absorb infrared radiation in the atmosphere and are different from the criteria pollutants discussed in Section III, *Air Quality*. The primary GHGs that are emitted into the atmosphere as a result of human activities are CO₂, methane (CH₄), nitrous oxide (N₂O), and fluorinated gases.

California Global Warming Solutions Act

Under the California Global Warming Solutions Act, also known as AB 32, the CARB established statewide GHG emissions cap for 2020, adopted mandatory reporting cards for significant sources of GHG, and adopted a comprehensive plan, known as the Climate Change Scoping Plan, identifying how emission reductions would be achieved from significant GHG sources.

In 2016 Senate Bill (SB) 32 was signed into law, amending the California Global Warming Solutions Act. SB 32, and accompanying Executive Order B-30-15, requires CARB to ensure that statewide GHG emissions are reduced to 40% below the 1990 level by 2030. The CARB 2022 Scoping Plan Update, dated November 16, 2022, identifies a plan to reach carbon neutrality by 2045 or earlier. The 2022 Scoping Plan is the first plan that adds carbon neutrality as a science-based guide beyond established emission reduction targets. The 2022 Scoping Plan identifies a feasible path to achieve carbon neutrality by 2045, or earlier, while also assessing the progress the state is making toward reducing its GHG emissions by at least 40% below 1990 levels by 2030, as called for in SB 32 and laid out in the 2017 Scoping Plan.

Sustainable Communities Strategy and Climate Protection Act

The Sustainable Communities Strategy and Climate Protection Act (SB 375) was signed into law in September 2008. SB 375 builds upon AB 32 by requiring CARB to develop regional GHG reduction targets for automobile and light truck sectors for 2020 and 2035, as compared to 2005 emissions levels. Regional metropolitan planning organizations (MPOs) will be responsible for preparing a Sustainable Communities Strategy (SCS) with their Regional Transportation Plans (RTPs).

Fresno Council of Governments 2022 Regional Transportation Plan/Sustainable Communities Strategy

The FCOG adopted the 2022 RTP/SCS on July 28, 2022. The 2022 RTP reflects transportation planning for Fresno County through 2046 intended to create a region of diverse, safe, resilient, and accessible transportation options that improve the quality of life for all residents by fostering sustainability, equity, a vibrant economy, clean air, and healthy communities. The 2022 SCS integrates land use and transportation planning strategies that lower per capita GHG emissions from cars and light-duty trucks and fosters communities that are more equitable, healthy, and sustainable.

San Joaquin Valley Climate Change Action Plan

The SJVAPCD released the San Joaquin Valley Climate Change Action Plan in December 2009. The Climate Change Action Plan set goals and policies to address reductions in GHGs and improvement to regional air quality. The plan also includes Best Performance Standards (BPSs), which are mitigation measures intended to accomplish GHG reductions. BPSs include building design elements that reduce energy consumption, project designs that promote pedestrian access, and land use planning decisions that reduce VMT.

City of Fresno Greenhouse Gas Reduction Plan

The 2014 Greenhouse Gas Reduction Plan (GHG Plan) provides a comprehensive assessment of the benefits of General Plan and Development Code policies along with existing plans, programs, and initiatives that reduce GHG emissions. In addition, the GHG Plan includes an emission reduction target for demonstrating consistency with state GHG reduction targets. The analysis prepared to quantify GHG emissions and emission reductions provides the basis for the GHG Plan targets and the CEQA significance findings. The 2021 GHG Plan Update was prepared to reevaluate the City's existing GHG

reduction targets and strategies. The GHG Plan Update provides new goals and supporting measures to reflect and ensure compliance with changes in the state and local policies while ensuring it encourages economic growth and keeps the City economically competitive while achieving GHG reductions and maintaining the "CEQA Qualified Plan" status.

Environmental Evaluation

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

During construction, fossil fuels, electricity, and natural gas would be used by construction vehicles and equipment. Federal and state regulations in place require fuel-efficient equipment and vehicles and prohibit wasteful activities, such as diesel idling. Construction contractors, in an effort to ensure cost efficiency, would be expected to not engage in wasteful or unnecessary energy and fuel practices. Although not required to reduce construction-related GHG emissions, Mitigation Measure AQ-3, included in Section III, Air Quality, requires the use of clean off-road construction equipment, including the latest tier equipment, where feasible during project construction, which would further reduce GHG emissions during project construction. Temporary traffic controls may temporarily increase traffic congestion and associated idling emissions during the 6-month construction period; however, following construction, traffic controls would be removed, and traffic flow would be improved in comparison to preconstruction conditions. Therefore, any increase in GHG emissions from vehicle idling would be temporary in nature and would not result in a new. permanent source of GHG emissions in the area. Therefore, construction activities are not anticipated to result in significant emissions and construction-related impacts would be less than significant.

Operation of the project has the potential to generate GHG emissions from electricity and fossil fuel use. Electricity use for the project would be limited to the installation of 12 streetlights, which would be provided by PG&E. The PG&E power mix consists of 50% renewable energy sources and 43% GHG-free energy sources (PG&E 2021). By using electricity from PG&E, the project would reduce the long-term use of non-renewable energy resources and associated GHG emissions. Operation of the project would not generate new vehicle trips to and from the project site in a manner that would require the long-term use of fossil fuels. Additionally, the project would reduce vehicle congestion and associated vehicle idling and improve bicycle and pedestrian facilities along Ashlan Avenue, which would contribute to a reduction in existing GHG emissions from fossil fuel use. The project would be required to comply with the City's GHG Reduction Plan Update and to implement measures identified in the Project Consistency Checklist to further reduce GHG emissions. Based on the limited amount of electricity and fossil fuel use required for operation of the project and required compliance with existing regulations, the project would not generate a substantial amount of GHG emissions; therefore, operational impacts would be less than significant.

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

The project is within the jurisdiction of the SJVAPCD and would be subject to the Climate Change Action Plan for the San Joaquin Valley, which established BPS to reduce VMT. Additionally, the FCOG 2022 RTP/SCS identifies transportation and land use planning strategies to reduce VMT within the region (FCOG 2022). The proposed project does not include the establishment of new land uses that could increase VMT. The project would be limited to the operation of an existing roadway and does not include the establishment of new land uses or activities that could generate long-term operational vehicle trips. Further, the project would contribute to a reduction in GHG emissions by reducing vehicle congestion and associated vehicle idling along Ashlan Avenue. The project would also improve pedestrian and bicycle facilities along Ashlan Avenue, which would promote the use of alternative modes of transportation. Additionally, the project would be required to comply with the City's GHG Reduction Plan Update and to implement measures identified in the Project Consistency Checklist to further reduce GHG emissions. The project would improve pedestrian and bicycle facilities in the project area and contribute to a reduction in GHG emissions, which would be consistent with the goals of the Climate Change Action Plan and FCOG 2022 RTP/SCS; therefore, impacts would be less than significant.

Conclusion

The project would be consistent with the goals of the Climate Change Action Plan and FCOG 2022 RTP/SCS and would not generate a substantial amount of short- or long-term GHG emissions; therefore, impacts related to GHG emissions would be less than significant.

Mitigation Measures

Mitigation is not necessary; however, Mitigation Measure AQ-3, included in Section III, *Air Quality,* would further reduce already less-than-significant impacts.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS		S – Would the p	roject:	
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			Х	

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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?		х		
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				х
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?				х
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?				Х
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?			Х	
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?			Х	

<u>Setting</u>

The Hazardous Waste and Substances Site (Cortese) List is a planning tool used by the state, local agencies, and developers to comply with CEQA requirements related to the disclosure of information about the location of hazardous materials release sites. California Government Code Section 65962.5 requires the California Environmental Protection Agency (CalEPA) to develop at least annually an updated Cortese List. Various state and local government agencies are required to track and document hazardous material release information for the Cortese List. The California Department of Toxic Substance Control (DTSC) EnviroStor database tracks DTSC cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known contamination, such as federal superfund sites, state response sites, voluntary cleanup sites, school cleanup sites, school investigation sites, and military evaluation sites (DTSC 2022). The State Water Resources Control Board (SWRCB) GeoTracker database contains records for sites that impact, or have the potential to impact, water in California, such as Leaking Underground Storage Tank (LUST) sites, Department of Defense sites, and Cleanup Program Sites (SWRCB 2022). The remaining data regarding facilities or sites identified as meeting the "Cortese List" requirements can be located on the CalEPA website: https://calepa.ca.gov/sitecleanup/corteselist/.

Based on a query of the DTSC EnviroStor and SWRCB GeoTracker databases, there are no hazardous materials sites located within or adjacent to the project site (DTSC 2022; SWRCB 2022). The nearest mapped hazardous materials sites are three closed LUST sites located approximately 0.7 mile east of the project site (SWRCB 2022).

A Hazardous Waste Initial Site Assessment (ISA) was conducted to identify known, potential, and historic recognized environmental conditions (RECs) resulting from potential historic and/or current uses of hazardous substances or petroleum products within the project area (Haro Environmental 2022; Appendix C).

Environmental Evaluation

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

The project would require limited quantities of hazardous substances, including gasoline, diesel fuel, hydraulic fluid, solvents, oils, paints, etc. during construction, which has the potential to result in an accidental spill or release. Construction contractors would be required to comply with applicable federal and state environmental and workplace safety laws for the handling, transport, and storage of hazardous materials, including California Code of Regulations (CCR) Title 22, Division 4.5. Operation of the project would be limited to the operation of an existing roadway and would not result in a new source of hazardous or acutely hazardous materials within the project area. Similar to existing conditions, trucks carrying hazardous materials may travel along this roadway; however, the transport of any hazardous materials would be subject to regulations in the Hazardous Materials Transportation Act to avoid risk involving hazardous materials. Therefore, impacts associated with

the routine transport, use, or disposal of hazardous materials would be *less than* significant.

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?

As previously discussed, temporary construction activities would include the use of construction equipment, vehicles, and commonly used hazardous substances, including, but not limited to, paint, solvents, oils, fuel, and gasoline. Commonly used hazardous substances within the project site would be transported, stored, and used according to regulatory requirements and existing procedures for the handling of hazardous materials.

Based on the results of the ISA, no known, potential, or historic RECs that pose a significant threat to the environment occur within the project area. However, based on existing site conditions, there is potential for lead and/or chromium, aerially deposited lead (ADL), ACM, lead-based paint, and wood preservation chemicals to occur within the existing roadway and associated structures within the proposed ROW (Haro Environmental 2022). In addition, there is potential for ACM and lead-based paint to be present within building materials of the existing residences proposed for removal. If present within the roadway, associated infrastructure, and/or existing residences proposed for removal, construction activities and associated disturbance may result in release of identified hazardous substances. Mitigation Measure AQ-4 has been identified in Section III, Air Quality, to reduce impacts related to ACM, and Mitigation Measure HAZ-1 has been identified to reduce potential impacts related to release of hazardous substances during project construction. The project is not located in an area with known potential for naturally occurring asbestos (Haro Environmental 2022). Therefore, construction activities would not have the potential to expose workers or surrounding land use occupants to harmful levels of NOA. As evaluated above, operation of the project would be limited to the operation of an existing roadway and would not introduce a new source of hazardous or acutely hazardous materials to the project area. Similar to existing conditions, trucks carrying hazardous materials may travel along this portion of Ashlan Avenue; however, the movement of any hazardous materials would be subject to regulations in the Hazardous Materials Transportation Act to avoid risk involving the transport of hazardous materials. Upon implementation of the identified mitigation measures and adherence to existing regulations, the project would not 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; therefore, impacts would be less than significant with mitigation.

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

The nearest school is John Steinbeck Elementary School, located approximately 0.3 mile southeast of the project site. Therefore, the proposed project would not emit

hazardous emissions or handle acutely hazardous materials, substances, or waste within 0.25 mile of an existing or proposed school; therefore, *no impacts* would occur.

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?

Based on a query of the DTSC EnviroStor and SWRCB GeoTracker databases, there are no previously recorded hazardous materials sites located within or adjacent to the project site (DTSC 2022; SWRCB 2022). The project site is not located on or adjacent to a site that is on a list of hazardous materials site pursuant to California Government Code Section 65962.5; therefore, the project would not create a significant hazard to the public or the environment related to disturbance in a hazardous materials site, and *no impacts* would occur.

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?

The project site is not located within an airport land use plan and the nearest airport is Fresno Chandler Executive Airport, located approximately 5 miles southeast of the project site; therefore, the project would not result in airport-related safety or noise hazards, and *no impacts* would occur.

f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

The project includes the widening of a 0.5-mile portion of Ashlan Avenue. The project is expected to require temporary traffic controls along Ashlan Avenue during the approximate 6-month construction period. Proposed roadway improvements would primarily be limited to the eastbound lane, which would avoid full closure of Ashlan Avenue. Following project construction, temporary traffic controls would be removed and the eastbound lane of Ashlan Avenue would be widened from one lane to two lanes, which would ultimately reduce congestion along Ashlan Avenue and improve emergency response and evacuation efforts in the area. Therefore, impacts would be *less than significant*.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?

The project site is characterized by relatively flat topography within an urban area with a low potential for wildfire occurrence. The project does not propose the development of any structures or buildings that could increase the potential for a wildfire to occur in the immediate or surrounding area. Therefore, the project would not increase wildfire risk within the project area and impacts would be *less than significant*.

Conclusion

Based on required compliance with CCR and City requirements, the project would not result in significant hazards related to the routine transport, use, or disposal of hazardous materials. The project is not located within 0.25 mile of a school, within 2 miles of an airport, or within or adjacent to a previously recorded hazardous materials site. The project would not impair implementation of an adopted emergency response plan or emergency evacuation plan and would not expose people or structures to a significant risk involving wildfires. Therefore, with implementation of Mitigation Measures AQ-4 and HAZ-1, impacts related to hazards and hazardous materials would be less than significant.

Mitigation Measures

Implement Mitigation Measure AQ-4, included in Section III, Air Quality.

- **HAZ-1 Hazardous Substances.** Prior to initiation of any site preparation, construction, or demolition activities for project construction, the following testing and removal requirements shall be conducted at the site:
 - 1. Testing and removal requirements for yellow traffic striping and pavement marking materials shall be performed in accordance with California Department of Transportation (Caltrans) Construction Policy Bulletin 99-2 (Caltrans Construction Manual Chapter 7-107E; Caltrans 2014a). If the material contains elevated concentrations of lead and/or chromium, Caltrans Standard Special Provision (SSP) 14-11.12 shall be followed.
 - 2. Soils within the project area shall be tested for aerially deposited lead (ADL) prior to the beginning of work to determine if ADL is present in soils within the project area. If soils within the project area contain ADL, contaminated soils shall be handled in accordance with Caltrans SSPs 14-11.08 and 14-11.09A.
 - 3. A lead-based paint survey consisting of a visual inspection, sampling, testing, and reporting shall be performed to determine if building materials within the project area contain lead-based paint. If elevated concentrations of metals from lead-based paint are detected, Caltrans SSP 11.13 shall be followed.
 - 4. Power poles within the project area shall be handled as treated wood waste (TWW) in accordance with Caltrans SSP 14-11.14.
 - 5. Any previously unknown hazardous waste/material encountered as part of construction of the proposed project, the procedures outlined in Caltrans Unknown Hazards Procedures shall be followed.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
X. HYDROLOGY AND WATER Q	JALITY – Wo	uld the project:		
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?			Х	
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?			Х	
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 through the addition of impervious surfaces, in a manner which would:				
i) Result in a substantial erosion or siltation on- or off-site;			Х	
ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site:			Х	
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or			Х	
iv) impede or redirect flood flows?			Х	
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?				х

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?			х	

<u>Setting</u>

Fresno is located in the Kings Subbasin of the San Joaquin Valley Groundwater Basin. The Kings Subbasin groundwater aquifer system consists of unconsolidated continental deposits. These deposits are an older series of Tertiary and Quaternary age overlain by a younger series of deposits of Quaternary age. The Quaternary-age deposits are divided into older alluvium, lacustrine and marsh deposits, younger alluvium, and flood-basin deposits (California Department of Water Resources [DWR] 2006). The city relies on the Sierra snowpack, the San Joaquin and Kings Rivers, and groundwater for its water needs (City of Fresno 2014).

According to the USFWS NWI Surface Waters and Wetlands mapper, there are no mapped drainages or wetland areas located within the project area; however, there is a human-made pond located approximately 70 feet north of the project site (USFWS 2022).

According to Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) 06019C1545H (effective date 2/18/2009), the project site is within Zone X, an area of minimal flood hazard (FEMA 2022).

a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

There are no mapped drainages or wetland areas located within the project area; however, there is a human-made pond located approximately 70 feet north of the project site (USFWS 2022). The project would not result in direct disturbances to any surface water features. The project would require ground-disturbing activities and equipment and vehicle use during project construction, which has the potential to result in erosion or other pollutants that could run off from the site to surrounding areas. Construction of the proposed project would result in approximately 4 acres of ground disturbance, including approximately 3,000 cubic yards of cut and 3,000 cubic yards of fill. The project would disturb more than 1 acre of soils and be required to comply with the Central Valley RWQCB general construction permit requirements. In addition, the project would be required to comply with City Municipal Code Article 7, which requires the implementation of BMPs to reduce and/or eliminate pollutant discharge during construction. Based on required compliance with RWQCB and City requirements, the project would not violate any water quality standards or waste

discharge requirements or otherwise substantially degrade surface or ground water quality; therefore, impacts would be *less than significant*.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

The project site is located in the Kings Subbasin of the San Joaquin Valley Groundwater Basin. The project would result in the widening of a 0.5-mile segment of Ashlan Avenue, which would result in a marginal increase in impervious surface area within the Kings Subbasin. The Kings Subbasin encompasses an area of approximately 976,000 acres (1,530 square miles) within Fresno, Kern, and Tulare Counties; therefore, a marginal increase in impervious surface area at the site would not substantially interfere with groundwater recharge in a manner that could impede sustainable groundwater management of the basin. In addition, the project does not require any connections to water and would not require any long-term operational water use. During construction, water may be used for dust suppression; however, any water used during construction would be limited in volume and supplied from off-site sources. Therefore, the project would not decrease groundwater supply or interfere with groundwater recharge, and impacts would be *less than significant*.

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 through the addition of impervious surfaces, in a manner which would:

i. Result in substantial erosion or siltation on- or off-site?

The project would not result in direct alteration of any drainages or surface water features. The project would require ground-disturbing activities during project construction, which has the potential to result in an increase in erosion that could run off from the site to surrounding areas. Construction of the proposed project would result in approximately 4 acres of ground disturbance, including approximately 3,000 cubic yards of cut and 3,000 cubic yards of fill. The project would disturb more than 1 acre of soils and would be required to comply with RWQCB general construction permit requirements. In addition, the project would be required to comply with the City Municipal Code Article 7, which requires the implementation of BMPs to reduce and/or eliminate pollutant discharge during construction. Based on required compliance with RWQCB and City requirements, the project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality; therefore, impacts would be *less than significant*.

ii. Substantially increase the rate or amount of surface runoff in a manner, which would result in flooding on- or off-site?

The project would result in the widening of a 0.5-mile segment of Ashlan Avenue, which would result in a marginal increase in impervious surface area on-site. The project does not include alteration or other direct impacts to any surface water features. The project includes the installation of drainage improvements, including curbs, gutters, and storm drain facilities, which would capture surface flows and

ensure the project would not result in flooding on- or off-site. In addition, the project would be subject to City Municipal Code Article 7 for long-term drainage requirements. Based on implementation of drainage improvements and required compliance with City stormwater requirements, the project would not increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site; therefore, impacts would be *less than significant*.

iii. Create or contribute runoff water, which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

The project would result in the widening of a 0.5-mile segment of Ashlan Avenue, which would result in a marginal increase in impervious surface area on-site. The project would be subject to City Municipal Code Article 7, which requires the implementation of BMPs to reduce and/or eliminate pollutant discharge from entering the City's storm drain system during construction and operation. Based on required compliance with City stormwater requirements, the project would not create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; therefore, impacts would be *less than significant*.

iv. Impede or redirect flood flows?

According to FEMA FIRM 06019C1545H (effective date 2/18/2009), the project site is within Zone X, an area of minimal flood hazard; therefore, flood flows are not expected to occur within the project area (FEMA 2022). The project does not include alteration or other direct impacts to any surface water features. As previously identified, the project would result in a marginal increase in impervious surface area on-site. The project includes the installation of drainage improvements, including curbs, gutters, and storm drain facilities, to capture surface flows at the project site. Based on the low potential for flood flows, limited increase in impervious surface area, and installation of drainage improvements, the project would not impede or redirect flood flows; therefore, impacts would be *less than significant*.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

According to FEMA FIRM 06019C1545H (effective date 2/18/2009), the project site is within Zone X, an area of minimal flood hazard (FEMA 2022). Additionally, the project site is not located in an area that would be subject to tsunami risk and is not located in proximity to any impounded body of water that would be subject to seiche. The project is not within a flood hazard, tsunami, or seiche zone and would not risk release of pollutants due to project inundation; therefore, *no impacts* would occur.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

The project site is located in the Kings Subbasin of the San Joaquin Valley Groundwater Basin (DWR Groundwater Subbasin Number: 5-22.08). As evaluated in

Impact Discussion X(b), the project would not decrease groundwater supply or interfere with groundwater recharge in a manner that would impede sustainable management of the groundwater basin. The project site is under the jurisdiction of the Central Valley RWQCB and would be subject to the Water Quality Control Plan for the Central Valley Region (RWQCB 2019), which establishes water quality objectives for beneficial uses of water resources within the Sacramento and San Joaquin River Basins. The project would be required to comply with the Central Valley RWQCB general construction permit requirements. In addition, the project would be required to comply with City Municipal Code Article 7, which requires the implementation of BMPs to reduce and/or eliminate pollutant discharge during construction. Based on required compliance with RWQCB and City requirements, the project would not violate any RWQCB water quality standards or waste discharge requirements. The project would be consistent with sustainable management of the San Joaquin Valley groundwater basin and the Water Quality Control Plan for the Central Valley Region; therefore, impacts would be *less than significant*.

Conclusion

Based on required compliance with RWQCB and City requirements, the project would not result in adverse impacts related to water quality, groundwater quality, or stormwater runoff. The project would not require connection to groundwater resources and would not be located in an area that would be subject to inundation. The project would be consistent with sustainable management of the San Joaquin Valley groundwater basin and the Water Quality Control Plan for the Central Valley Region. Therefore, impacts related to hydrology and water quality would be less than significant.

Mitigation Measures

Mitigation is not required.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. LAND USE AND PLANNING -	- Would the p	roject:		
a) Physically divide an established community?			Х	
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?		Х		

<u>Setting</u>

The City's General Plan, which includes 10 elements that outline a long-range vision for the physical development of the city, focuses on existing community needs, neighborhood character, economic development challenges and opportunities, mixed-use and infill development strategies, development considerations outside the current city limits, and the fiscal resources and management strategies needed to attain the City's goals. The City's *Urban Form, Land Use, and Design Element* establishes a land use classification system, intensity and height standards, and citywide and area-specific land use policies. The project site is primarily located within the Ashlan Avenue ROW with surrounding parcels located in the Rural Residential, Single Family Residential, Public/Institutional, and Open Space/Agriculture land use designations (City of Fresno 2014).

Environmental Evaluation

a) Physically divide an established community?

The project would widen a 0.5-mile segment of eastbound Ashlan Avenue from one lane to two lanes, to the ultimate ROW configuration, and would construct additional improvements, including, but not limited to, sidewalks, curbs, and Class II bike lanes. The project would require temporary traffic controls during the 6-month construction period; however, the roadway would remain open during project construction and temporary traffic controls would be removed following completion of the construction period. Proposed roadway improvements would reduce traffic congestion along Ashlan Avenue and would improve pedestrian and bicycle mobility in the area. The project would not result in the removal or blockage of existing public roadways or other circulation paths and would not otherwise include any features that would physically divide an established community; therefore, impacts would be *less than significant*.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

As evaluated throughout this Initial Study, the project would be consistent with standards and policies set forth in the City's General Plan, 2018 CAP, Climate Change Action Plan, and FCOG 2022 RTP/SCS. The project would be required to implement Mitigation Measures AQ-1 through AQ-4, included in Section III, *Air Quality*; Mitigation Measure BIO-1, included in Section IV, *Biological Resources*; Mitigation Measures CR-1 and CR-2, included in Section V, *Cultural Resources*; and Mitigate potential impacts associated with Air Quality, Biological Resources, Cultural and Tribal Cultural Resources, and Hazards and Hazardous Materials, to mitigate potential impacts associated with Air Quality, Biological Resources, Cultural and Tribal Cultural Resources, and Hazards and Hazardous Materials, which is consistent with the identified plans and policies intended to avoid or mitigate adverse environmental effects. Upon implementation of the identified mitigation, the project would not conflict with other local policies or regulations adopted for the purpose of avoiding or mitigating environmental effects; therefore, impacts would be *less than significant with mitigation*.

Conclusion

The project would not physically divide an established community. Upon implementation of mitigation measures identified throughout this Initial Study, the project would be consistent with the City's General Plan, 2018 CAP, Climate Change Action Plan, FCOG 2022 RTP/SCS, and other applicable documents. Therefore, with implementation of Mitigation Measures AQ-1 through AQ-4, BIO-1, CR-1 and CR-2, and HAZ-1, impacts related to land use and planning would be less than significant.

Mitigation Measures

Implement Mitigation Measures AQ-1 through AQ-4, included in Section III, *Air Quality*; Mitigation Measure BIO-1, included in Section IV, *Biological Resources*; Mitigation Measures CR-1 and CR-2, included in Section V, *Cultural Resources*; and Mitigation Measure HAZ-1, included in Section IX, *Hazards and Hazardous Materials.*

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. MINERAL RESOURCES – Wo	ould the project	ct:		
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?				х
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?				х

DISCUSSION

<u>Setting</u>

The California Surface Mining and Reclamation Act (SMARA) of 1975 requires that the State Geologist classify land into mineral resource zones (MRZ) according to the known or inferred mineral potential of the land (PRC Sections 2710–2796). The three MRZs used in the SMARA classification designation process are defined below (California Geological Survey [CGS] 2015):

- **MRZ-1:** Areas where available geologic information indicates that little likelihood exists for the presence of significant mineral resources.
- **MRZ-2:** Areas where adequate information indicates that significant mineral deposits are present, or where it is judged that a high likelihood for their presence exists. This zone shall be applied to known mineral deposits or where well-developed lines of reasoning, based on economic–geologic principles and

adequate data, demonstrate that the likelihood for occurrence of significant mineral deposits is high.

• **MRZ-3:** Areas containing known or inferred aggregate resources of undetermined significance.

Environmental Evaluation

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?

According to the City's General Plan, the project site is located in an MRZ-3 area, which is defined as an area with known or inferred aggregate resources of undetermined significance (City of Fresno 2014). There are no known mineral resources within the project area. In addition, the project site consists of a previously developed area, which further reduces the likelihood that intact mineral resources of value occur within the proposed area of disturbance. The project site is not located in an area with known mineral resources; therefore, the project would not 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, and *no impacts* would occur.

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?

According to the City's General Plan, the project site is located in an MRZ-3 area, which is defined as an area with known or inferred aggregate resources of undetermined significance (City of Fresno 2014). There are no known mineral resources within the project area. In addition, the project site consists of a previously developed area, which further reduces the likelihood that intact mineral resources of value occur within the proposed area of disturbance. The project site is not located in an area with known mineral resources; therefore, the project would not 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, and *no impacts* would occur.

Conclusion

No impacts to mineral resources would occur as a result of the project.

Mitigation Measures

Mitigation is not necessary.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. NOISE – Would the project res	sult in:			
a) 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?			Х	
b) Generation of excessive groundborne vibration or groundborne noise levels?			х	
c) 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?				Х

<u>Setting</u>

Noise is addressed in the *Noise and Safety Element*, Chapter 9 of the City's General Plan, and in Chapter 10, Article 1 (Noise Regulations), of the City's Municipal Code. The *Noise and Safety Element* sets noise standards for transportation sources, as shown in Table 3.

Noise-Sensitive	Outdoor Activity Areas ²	Interior Sp	aces
	L _{dn} /CNEL. dB	Ldn/CNEL, dB	L _{eq} , dB ²
Residential	65	45	-
Transient Lodging	65	45	-
Hospitals, Nursing Homes	65	45	-
Theaters, Auditoriums, Music Halls	-	-	35
Churches, Meeting Halls	65	-	45
Office Buildings	-	-	45
Schools, Libraries, Museums	-	-	45

Table 3. Transportation (Non-Aircraft) Noise Source Standards

Source: TAHA (2022)

¹ Where the location of outdoor activity areas is unknown or is not applicable, the exterior noise level standard shall be applied to the property line of the receiving land use.

² As determined for a typical worst-case hour during periods of use.

The following objectives and policies related to noise are presented in the City's *Noise* and *Safety Element*:

- Policy NS-1-c: Generally Unacceptable Exterior Noise Exposure Range. Establish the exterior noise exposure of greater than 65 dB L_{dn} or CNEL to be generally unacceptable for residential and other noise sensitive uses for noise generated by sources in Policy NS-1-a, and study alternative less noise-sensitive uses for these areas if otherwise appropriate. Require appropriate noise reducing mitigation measures as determined by a site-specific acoustical analysis to comply with the generally desirable or generally acceptable exterior noise level and the required 45 dB interior noise level standards set in [Table 3] as conditions of permit approval.
- **Policy NS-1-g**: Noise mitigation measures which help achieve the noise level targets of this plan include, but are not limited to, the following:
 - Façades with substantial weight and insulation;
 - Installation of sound-rated windows for primary sleeping and activity areas;
 - Installation of sound-rated doors for all exterior entries at primary sleeping and activity areas;
 - o Greater building setbacks and exterior barriers;
 - Acoustic baffling of vents for chimneys, attic and gable ends;

 Installation of mechanical ventilation systems that provide fresh air under closed window conditions.

The aforementioned measures are not exhaustive and alternative designs may be approved by the City, provided that a qualified Acoustical Consultant submits information demonstrating that the alternative design(s) will achieve and maintain the specific targets for outdoor activity areas and interior spaces.

- Policy NS-1-i: Mitigation by New Development. Require an acoustical analysis where new development of industrial, commercial or other noise generating land uses (including transportation facilities such as roadways, railroads, and airports) may result in noise levels that exceed the noise level exposure criteria established by [Table 3] to determine impacts and require developers to mitigate these impacts in conformance with [Table 3] as a condition of permit approval through appropriate means. Noise mitigation measures may include:
 - The screening of noise sources such as parking and loading facilities, outdoor activities, and mechanical equipment;
 - Providing increased setbacks for noise sources from adjacent dwellings;
 - o Installation of walls and landscaping that serve as noise buffers;
 - o Installation of soundproofing materials and double-glazed windows; and
 - Regulating operations, such as hours of operation, including deliveries and trash pickup.

Alternative acoustical designs that achieve the prescribed noise level reduction may be approved by the City, provided a qualified Acoustical Consultant submits information demonstrating that the alternative designs will achieve and maintain the specific targets for outdoor activity areas and interior spaces. As a last resort, developers may propose to construct noise walls along roadways when compatible with aesthetic concerns and neighborhood character. This would be a developer responsibility, with no City funding.

 Policy NS-1-j: Significance Threshold. Establish, as a threshold of significance for the City's environmental review process, that a significant increase in ambient noise levels is assumed if the project would increase noise levels in the immediate vicinity by 3 dB L_{dn} or CNEL or more above the ambient noise limits established in this General Plan Update.

Section 10-101 of the City's Municipal Code contains the City's Noise Ordinance, which establishes excessive noise guidelines and exemptions. Municipal Code Section 10-109 states that construction, repair, and remodeling work accomplished pursuant to a building, electrical, plumbing, mechanical, or other construction permit issued by the City or other governmental agency, or to site preparation and grading, are exempt from the City's noise standards, provided such work takes place between the hours of 7:00 a.m. and 10:00 p.m. on any day except Sunday.

A Noise and Vibration Assessment was prepared for the proposed project to determine the project's potential noise and vibration impacts (Terry A. Hayes Associates [TAHA] 2022; Appendix D). The Noise and Vibration Assessment includes the results of noise monitoring and modeling used to determine the existing and future noise levels within the project area.

Environmental Evaluation

a) 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 in other applicable local, state, or federal standards?

Existing ambient noise levels in the project area consist of vehicle noise along Ashlan Avenue and residential noise from surrounding residential land uses. During project construction, noise from construction and demolition activities may intermittently dominate the noise environment in the immediate project area. The project would require the use of typical construction equipment (e.g., dozers, excavators, etc.) during proposed construction and demolition activities. According to the Federal Highway Administration (FWHA), noise from standard construction equipment generally ranges from 67.7 to 81.9 A-weighted decibels (dBA) in equivalent sound level (Leg) at 50 feet from the source (TAHA 2022). Ashlan Avenue is immediately surrounded by residential land uses to the north and south. The nearest sensitive receptors are residences to the south and north of Ashlan Avenue between Polk and Cornelia Avenues. Sensitive receptors adjacent to the project site would typically be located approximately 50 feet away from roadway construction and pavementbreaking activities. According to the City's Municipal Code (Section 10-109), construction-related noise is exempt from the City's noise standards between the hours of 7:00 a.m. and 10:00 p.m. on any day except Sunday. Construction-related noise would be temporary and conducted in accordance with the City's Municipal Code; therefore, construction-related noise impacts would be less than significant.

According to the Noise and Vibration Assessment prepared for the proposed project, the current noise levels along Ashlan Avenue range between 45 and 62 dBA and future noise levels along Ashlan Avenue would range between 49 and 64 dBA and would not exceed the City's threshold of 65 dBA exterior Community Noise Equivalent Level (CNEL) standard at any location (TAHA 2022). In addition, the typical exterior-to-interior noise reduction for light-frame structures with single-pane windows is 20 dBA; therefore, interior noise levels would not exceed the City's threshold of 45 dBA interior CNEL standard. Future noise levels along this segment of Ashlan Avenue would not conflict with the City's noise standards; therefore, operational noise impacts would be *less than significant*.

b) Generation of excessive groundborne vibration or groundborne noise levels?

The proposed project has the potential to generate limited groundborne vibration during construction activities that require the use of heavy equipment and during ground-disturbing and demolition activities. Equipment used during project construction would be most similar to a large bulldozer, which generates a vibration level of 0.089 inches per second. Construction would predominantly occur within the Ashlan Avenue ROW and structures would typically be located approximately 50 feet away. At this distance, a large bulldozer would generate a vibration level of

approximately 0.031 inches per second, which would be below the 0.3 inch per second building damage criterion established by Caltrans (TAHA 2022). Demolition of existing residential structures would also require the use of a large bulldozer, which would generate a vibration level of approximately 0.031 inches per second (TAHA 2022). Therefore, potential groundborne vibration from demolition activities would also fall below the 0.3-inch-per-second building damage criterion established by Caltrans and would not disturb surrounding residences. In addition, Section 15-2507 of the City's Municipal Code exempts temporary construction activities from the City's vibration standards. Operation of the project does not include new features that could generate substantial groundborne noise. Therefore, impacts related to groundborne vibration would be *less than significant*.

c) 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?

The project site is not located within an airport land use plan and the nearest airport is Fresno Chandler Executive Airport, located approximately 5 miles southeast of the project site; therefore, the project would not result in airport-related safety or noise hazards and *no impacts* would occur.

Conclusion

The project would not generate a substantial increase in temporary or permanent ambient noise levels or generate groundborne noise in a manner that would result in disturbance. The project site is not located within an airport land use plan or within 2 miles of an airport. Therefore, impacts related to noise would be less than significant.

Mitigation Measures

Mitigation is not necessary.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	
XIV. POPULATION AND HOUSING – Would the project:					
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?			Х		

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?			х	

<u>Setting</u>

As of 2021, the city of Fresno has a population of approximately 544,510 residents (U.S. Census Bureau 2021). According to the City's General Plan, based on an average annual growth rate of 1.24%, the city and its sphere of influence (SOI) is projected to accommodate a population of approximately 771,000 residents by 2035. Full buildout of the city is projected to accommodate a population of approximately 970,000 residents; however, the exact year of full buildout is not currently known. In addition, the city and its SOI is projected to have 267,000 housing units by 2035, with a complete buildout scenario of approximately 336,000 housing units at an unspecified year (City of Fresno 2014).

Environmental Evaluation

a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

The proposed project includes the widening of a 0.5-mile segment of eastbound Ashlan Avenue from one lane to two lanes in addition to installation of other transportation improvements, including, but not limited to, Class II bike lanes and sidewalks. The purpose of the proposed project is to alleviate existing and future traffic congestion and associated hazards along Ashlan Avenue associated with the planned expansion of the western portion of the city. Proposed improvements would be limited to an existing roadway within the city limits and would not facilitate unplanned growth in a previously isolated area. Further, the project does not include the development of new residences, businesses, or other uses that could directly induce population growth within the city. Proposed construction activities have the potential to generate short-term employment opportunities; however, project construction is expected to use workers from the local employment force and would not require workers to relocate to the project area. Operation of the project would be limited to the operation of an existing roadway and would not generate new employment opportunities that could otherwise facilitate population growth within the city. The project would be necessary to support planned growth of the western portion of the city and alleviate existing traffic issues in the project area; therefore, the project would not result in unplanned or substantial population growth, and impacts would be less than significant.

b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

The project would widen Ashlan Avenue to the ultimate ROW, which would require partial ROW acquisitions from 16 surrounding parcels and full ROW take of APN 511-01-205S with removal of existing residential structures and relocation of residents. In addition, the partial ROW take of APN 511-08-501 would require the removal and demolition of two residential structures and relocation of residents. However, the project does not include the construction of replacement housing elsewhere, and any future reconstruction or housing development would be subject to separate environmental review, which would ensure any future environmental development would not result in adverse environmental impacts; therefore, impacts would be *less than significant*.

Conclusion

The project would not induce substantial or unplanned population growth and does not include the construction of replacement housing; therefore, impacts related to population and housing would be less than significant.

Mitigation Measures

Mitigation is not necessary.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. PUBLIC SERVICES - Would t	the project:			
a) 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:				
Fire protection?				Х
Police protection?				Х
Schools?				Х
Parks?				Х

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Other public facilities?				Х

<u>Setting</u>

Within the city, responsibility for public safety is assigned to the City's police and fire departments. The Fresno Police Department is responsible for preventing crime and maintaining law and order, while the Fresno Fire Department is responsible for fighting urban and wildland fires, as well as emergency response and rescue (City of Fresno 2014). The Fresno Unified School District (FUSD) serves more than 74,000 students and operates 64 elementary schools, 15 middle schools, eight high schools, four alternative schools, and three special education schools (FUSD 2022). The City maintains approximately 1,617 acres of open space, nearly 230,000 square feet of building space dedicated to recreational/ educational purposes distributed among 104 sites. (City of Fresno 2014).

Environmental Evaluation

a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the 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:

Fire protection?

The project does not include the construction of new buildings or structures that would directly increase demand on existing fire protection services. The project would widen an existing roadway within the City limits to alleviate existing traffic congestion and support planned expansion of the western portion of the city; therefore, the project would not facilitate unplanned or substantial population growth in a manner that would increase demand on existing fire protection services. The project would not require new or physically altered governmental facilities for fire protection services; therefore, *no impacts* related to fire protection would occur.

Police protection?

The project does not include the construction of new residences, businesses, or other uses that would directly increase demand on existing police protection services. The project would be limited to improvements to an existing roadway and would not facilitate unplanned or substantial population growth in a manner that would increase demand on existing police protection services. The project would not require new or physically altered governmental facilities for police protection services; therefore, *no impacts* would occur.

Schools?

As discussed in Section XIV, *Population and Housing*, the project would not induce direct or indirect population growth. The project would not result in an increase of school-aged children in the area; therefore, the project would not create an increased demand on local schools, and *no impacts* would occur.

Parks?

As discussed in Section XIV, *Population and Housing*, the project would not induce direct population growth. The project would not result in a population increase that could result in deterioration of existing recreation facilities or require the expansion of new facilities; therefore, the project would not create an increased demand on public recreation facilities, and *no impacts* would occur.

Other public facilities?

As discussed in Section XIV, *Population and Housing*, the project would not induce direct population growth. The project does not propose features that would significantly increase the demand on public facilities, such as libraries or post offices, or result in the need for new or physically altered governmental facilities; therefore, *no impacts* would occur.

Conclusion

The project would not increase demand for fire or police protection services, schools, parks, libraries, or other public facilities; therefore, no impacts related to public services would occur as a result of the project.

Mitigation Measures

Mitigation is not necessary.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	
XVI. RECREATION – Would the project:					
a) 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?				х	

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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?		Х		

<u>Setting</u>

The City maintains approximately 1,617 acres of open space and 230,000 square feet of building space dedicated to recreational/educational purposes, which is distributed among 104 sites. Other City-operated recreational facilities include nine community pools, four splash parks, 518 picnic tables, 153 barbeque grills, three amphitheaters, 54 baseball/softball fields, 53 football/soccer fields, 40 basketball courts, 11 volleyball courts, 40 tennis courts, seven skate parks, and five dog parks. The park system also provides and maintains 115 acres of paths and trails for pedestrians and bicyclists (City of Fresno 2014).

Environmental Evaluation

a) 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?

As discussed in Section XIV, *Population and Housing*, the project would be limited to the widening of Ashlan Avenue and would not induce substantial or unplanned population growth in the city. The project would not increase the use of existing recreational facilities in a manner that would lead to substantial deterioration of existing recreational facilities; therefore, *no impacts* would occur.

b) Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?

The project includes the construction of 7-foot-wide Class II bike lanes along the 0.5-mile segment of Ashlan Avenue, which would be installed within the footprint of the proposed project. As evaluated throughout this Initial Study, the project has the potential to result in adverse impacts related to Air Quality, Biological Resources, Cultural and Tribal Cultural Resource, and Hazards and Hazardous Materials. Mitigation Measures AQ-1 through AQ-4, included in Section III, *Air Quality*; Mitigation Measure BIO-1, included in Section IV, *Biological Resources*; Mitigation Measures CR-1 and CR-2, included in Section V, *Cultural Resources*; and Mitigation Measure HAZ-1, included in Section IX, *Hazards and Hazardous Materials*, have been included
to avoid and/or minimize adverse impacts to less-than-significant levels. Therefore, upon implementation of the identified mitigation measures, installation of the proposed bike lanes would not result in adverse impacts to the environment; therefore, potential impacts would be *less than significant with mitigation*.

Conclusion

The project would not increase the use of existing recreational facilities in a manner that would result in physical deterioration. In addition, implementation of Mitigation Measures AQ-1 through AQ-4, BIO-1, CR-1 and CR-2, and HAZ-1 would reduce potential adverse environmental impacts associated with construction of Class II bike lanes to less-than-significant levels. Therefore, with implementation of Mitigation Measures AQ-4, BIO-1, CR-1 and CR-2, and HAZ-1, impacts related to recreation would be less than significant.

Mitigation Measures

Implement Mitigation Measures AQ-1 through AQ-4, included in Section III, *Air Quality*; Mitigation Measure BIO-1, included in Section IV, *Biological Resources*; Mitigation Measures CR-1 and CR-2, included in Section V, *Cultural Resources*; and Mitigation Measure HAZ-1, included in Section IX, *Hazards and Hazardous Materials.*

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. TRANSPORTATION – Would	d the project:			
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?			Х	
b) Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)?			х	
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?			Х	
d) Result in inadequate emergency access?			Х	

DISCUSSION

<u>Setting</u>

The *Mobility and Transportation Element*, Chapter 4 of the City's General Plan, identifies goals and implementing policies related to promoting a city of healthy communities, improving the quality of life in established neighborhoods, planning for all modes of travel on local and major streets in Fresno, providing a well-maintained transportation system, and protecting and improving public health and safety (City of Fresno 2014). Additionally, the FCOG 2022 RTP reflects transportation planning for Fresno County through 2046, which is intended to create a region of diverse, safe, resilient, and accessible transportation options that improve the quality of life for all residents by fostering sustainability, equity, a vibrant economy, clean air, and healthy communities (FCOG 2022).

Ashlan Avenue is classified as a minor arterial roadway, with one eastbound lane and one westbound lane and a striped, unpaved center divide. The intersection of Ashlan and Polk Avenues is an all-way stop. Eastbound Ashlan Avenue widens to two lanes with a dedicated left-turn pocket at the intersection of Ashlan and Cornelia Avenues. Current Level of Service (LOS) data indicates that this segment of Ashlan Avenue is classified as LOS D, which represents high-density and crowded but stable traffic flow condition. Users experience substantial restriction in speed and freedom to maneuver, with drivers experiencing generally poor levels of comfort and convenience. Based on future population projects, it is expected that this roadway would deteriorate to LOS F, which represents conditions when the amount of traffic exceeds the amount that can travel to a destination. Long queues of vehicles can form behind these bottleneck points with the queued traffic traveling in a stop-and-go fashion. As of March 2020, this segment of Ashlan Avenue had an average of 7,289 daily vehicle trips along the westbound lane and an average of 6,853 daily vehicle trips along the eastbound lane. Due to traffic congestion and roadway hazards, there were 15 reported vehicle collisions along this segment of Ashlan Avenue between the years of 2016 and 2021.

There are no bike lanes and limited sidewalks along eastbound Ashlan Avenue from Dante Avenue to 150 feet east of Dante Avenue, and from Cornelia Avenue to approximately 483 feet west of Cornelia Avenue. There are two transit stops located along the eastbound lane.

Environmental Evaluation

a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

The proposed project includes widening eastbound Ashlan Avenue from one lane to two lanes in addition to the installation of pedestrian and bicycle facilities, including Class II bike lanes, sidewalks, and ADA-compliant curb ramps. Proposed roadway improvements would reduce vehicle congestion and associated roadway hazards along Ashlan Avenue, which is consistent with the City's *Mobility and Transportation Element.* Further, the installation of pedestrian and bicycle facilities would promote the use of alternative modes of transportation, which is consistent with the objectives of

the City's General Plan and FCOG 2022 RTP. The project would be necessary to alleviate existing transportation issues and to support planned growth within the city. The project would be consistent with the City's *Mobility and Transportation Element* and the FCOG 2022 RTP; therefore, impacts would be *less than significant*.

b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

SB 743 requires that relevant CEQA analysis of transportation impacts be conducted using a metric known as VMT instead of LOS. VMT measures how much actual auto travel (additional miles driven) a proposed project would create on California roads. If the project adds excessive car travel onto roads, the project may cause a significant transportation impact.

The State CEQA Guidelines were amended to implement SB 743 by adding Section 15064.3. Among its provisions, Section 15064.3 confirms that, except with respect to transportation projects, a project's effect on automobile delay shall not constitute a significant environmental impact. Therefore, LOS measures of impacts on traffic facilities are no longer a relevant CEQA criteria for transportation impacts.

CEQA Guidelines Section 15064.3(b)(4) states that "[a] lead agency has discretion 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 revision 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."

On June 25, 2020, the City adopted *CEQA Guidelines for Vehicle Miles Traveled Thresholds* (referred to herein as the City of Fresno VMT Thresholds), dated June 25, 2020, pursuant to SB 743 to be effective July 1, 2020. The City of Fresno VMT Thresholds document was prepared and adopted consistent with the requirements of State CEQA Guidelines Sections 15064.3 and 15064.7. The December 2018 *Technical Advisory on Evaluating Transportation Impacts in CEQA* (Technical Advisory), published by the California Governor's Office of Planning and Research (OPR), was utilized as a reference and guidance document in the preparation of the City of Fresno VMT Thresholds.

The City of Fresno VMT Thresholds adopted a screening standard and criteria that can be used to screen out qualified projects that meet the adopted criteria from needing to prepare a detailed VMT analysis. City of Fresno VMT Thresholds Section 3.0, regarding Project Screening, discusses a variety of projects that may be screened out of a VMT analysis, including specific development and transportation projects. For development projects, conditions may exist that would presume that a development project has a less-than-significant impact; these may be size, location, proximity to transit, or trip-making potential. For transportation projects, the primary attribute to consider with transportation projects is the potential to increase vehicle travel, sometimes referred to as "induced travel."

The proposed project is eligible to screen out because the project would create additional roadway capacity on an existing roadway to improve vehicle flow and roadway conditions and would also improve pedestrian and bicycle conditions within the project area.

In conclusion, the project would result in a less-than-significant VMT impact and is consistent with State CEQA Guidelines Section 15064.3(b); therefore, impacts would be *less than significant*.

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

The project would widen a 0.5-mile segment of eastbound Ashlan Avenue from one lane to two lanes, to the ultimate ROW configuration, and would construct additional improvements, including, but not limited to, sidewalks, curbs, and Class II bike lanes. Proposed roadway, pedestrian, and bicycle path elements would be required to comply with AASHTO's "The Green Book" and relevant Caltrans and City Public Works Department standards to avoid hazardous roadway design. Proposed roadway improvements would ultimately reduce existing roadway hazards and vehicle collisions within the project area. The project does not include the establishment of new land uses or activities that could introduce incompatible land uses (i.e., farm equipment) along Ashlan Avenue. Based on required compliance with AASHTO, Caltrans, and City Public Works Department requirements, the project would not result in hazards due to proposed roadway design features; therefore, impacts would be *less than significant*.

d) Result in inadequate emergency access?

The project includes the widening of a 0.5-mile portion of Ashlan Avenue and is expected to require temporary traffic controls along Ashlan Avenue during the approximate 6-month construction period. Proposed roadway improvements would primarily be limited to the eastbound lane, which would avoid full closure of Ashlan Avenue. Following project construction, temporary traffic controls would be removed, and the eastbound lane of Ashlan Avenue would be widened from one lane to two lanes, which would ultimately improve vehicle flow along Ashlan Avenue and ensure adequate emergency access to the project area. Therefore, the project area, and impacts would be *less than significant*.

Conclusion

The project would be consistent with the City's *Mobility and Transportation Element* and the FCOG 2022 RTP. The project would generate a negligible amount of vehicle trips to and from the project site during operation and would not exceed the established VMT

threshold of 110 trips per day. Proposed roadway design would be subject to AASHTO, Caltrans, and City Public Works Department standards and recommendations and would not result in hazardous features. The project would ultimately improve vehicle flow along Ashlan Avenue and ensure adequate emergency access to the project area. Therefore, impacts related to transportation would be less than significant.

Mitigation Measures

Mitigation is not necessary.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. TRIBAL CULTURAL RESOL	JRCES – Wou	uld the project:		
a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in PRC 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:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in PRC section 5020.1(k), or,				Х
ii) 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 PRC section 5024.1. In applying the criteria set forth in subdivision (c) of PRC section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.		Х		

DISCUSSION

<u>Setting</u>

Approved in 2014, AB 52 added tribal cultural resources to the categories of resources that must be evaluated under CEQA. Tribal cultural resources are defined as either of the following:

- 1) Sites, features, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
 - a. Included or determined to be eligible for inclusion in the CRHR; or
 - b. Included in a local register of historical resources as defined in PRC Section 5020.1(k).
- 2) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in PRC Section 5024.1(c). In applying these criteria for the purposes of this paragraph, the lead agency shall consider the significance of the resource to a California Native American Tribe.

Recognizing that tribes have expertise with regard to their tribal history and practices, AB 52 requires lead agencies to provide notice to tribes that are traditionally and culturally affiliated with the geographic area of a proposed project if they have requested notice of projects proposed within that area. If the tribe requests consultation within 30 days upon receipt of the notice, the lead agency must consult with the tribe regarding the potential for adverse impacts on tribal cultural resources as a result of a project. Consultation may include discussing the type of environmental review necessary, the presence and/or significance of tribal cultural resources, the level of significance of a project's impacts on the tribal cultural resources and mitigation measures recommended by the tribe to avoid or lessen potential impacts on tribal cultural resources.

Environmental Evaluation

- a) 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:
 - i. 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

Pursuant to AB 52, the City provided notice to local California native tribes with geographic and/or cultural ties to the project region. Referral letters were sent to tribal representatives on September 28, 2022. No tribes requested consultation or provided information regarding significant tribal cultural resources to date.

Based on the records search conducted for the proposed project, there is one historic building located within a 0.25-mile radius of the project area; however,

there are no historic resources located within the project area (SWCA 2022a). The existing residences proposed for removal do not qualify for listing as a historical resource in the NRHP (SWCA 2023a). Since there are no historic resources with cultural value located within the project area, the project would not cause a substantial adverse change in the significance of a historical resource with cultural value. In addition, the project does not include the use of high-impact construction activities (i.e., pile driving) that could directly or indirectly damage or result in adverse changes to the nearby historical building. Therefore, *no impacts* would occur.

ii. 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.

Pursuant to AB 52, the City provided notice to local California native tribes with geographic and/or cultural ties to the project region. Referral letters were sent to tribal representatives on September 28, 2022. No tribes requested consultation or provided information regarding significant tribal cultural resources to date.

Construction activities associated with the project would result in approximately 4 acres of ground disturbance, including approximately 3,000 cubic yards of cut and 3,000 cubic yards of fill. The project site consists of previously disturbed and developed areas, which reduces the potential for intact archaeological resources to be present within proposed areas of disturbance. Based on records searches conducted at the SSJVIC and the NAHC SLF, there are no previously recorded cultural or tribal cultural resources within the project area. Additionally, no cultural resources or evidence of cultural resources were observed during a field survey of the project area. Based on the findings of the records search and pedestrian field survey, the project area is considered to have low sensitivity for the presence of unidentified cultural resources; therefore, proposed ground-disturbing activities are not anticipated to adversely affect any known or unknown cultural resources sites within the project area (SWCA 2022a). Further, Mitigation Measure CR-1, included in Section V, Cultural Resources, requires that in the unlikely event that previously unidentified cultural resources are uncovered during proposed ground-disturbing activities, all work shall cease within the vicinity of the find until a qualified archaeologist is retained to evaluate the significance of the find and determine the need for further study. In addition, Mitigation Measure CR-2 has been identified to require the project to comply with California Health and Safety Code Section 7050.5, which outlines the protocol for unanticipated discovery of human remains. Based on the low potential to uncover cultural resources within the project area and implementation of Mitigation Measures CR-1 and CR-2, the project would not result in adverse impacts to known or unknown tribal cultural resources; therefore, impacts would be less than significant with mitigation.

Conclusion

Based on the low potential to uncover cultural resources within the project area, and implementation of Mitigation Measures CR-1 and CR-2, the project would not result in adverse impacts to known or unknown tribal cultural resources. Therefore, with implementation of Mitigation Measures CR-1 and CR-2, impacts related to tribal cultural resources would be less than significant.

Mitigation Measures

Implement Mitigation Measures CR-1 and CR-2, included in Section V, *Cultural Resources*.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. UTILITIES AND SERVICE SY	STEMS – Wo	ould the project:		
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effect?		Х		
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?				Х
c) Result in a determination by the waste water 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?				Х

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?			Х	
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			х	

DISCUSSION

<u>Setting</u>

Fresno is located in the Kings Subbasin of the San Joaquin Valley Groundwater Basin (DWR 2006). The city relies on the Sierra snowpack, the San Joaquin and Kings Rivers, and groundwater for its water needs (City of Fresno 2014). The City delivers drinking water to approximately 500,000 residential, commercial, and industrial customers over a 114-square-mile area of the city.

The City's Wastewater Management Division is responsible for the collection, conveyance, treatment, and reclamation of wastewater generated by the residential, commercial, and industrial sewer customers in the Fresno-Clovis metropolitan area. Wastewater from homes and businesses in the metropolitan area travels through approximately 1,600 miles of sanitary sewer lines maintained by the Wastewater Management Division to the Fresno-Clovis Regional Wastewater Reclamation Facility (RWRF), located southwest of the city.

The City's Solid Waste Management Division is responsible for the collection of municipal solid waste, recyclables, and green waste for approximately 112,000 residential customers. There are two landfills that serve the city, including the Fresno Sanitary Landfill and the American Avenue Landfill. The Fresno Sanitary Landfill is located 3 miles southwest of the city and covers an area of approximately 140 acres. The American Avenue Landfill is operated by the County of Fresno and serves as the county's regional landfill.

Environmental Evaluation

a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

The project would require the adjustment of water valve lids and sewer manhole covers to finished grade and the relocation of joint utility poles, fire hydrants, and water meters. Proposed adjustment and relocation of utility infrastructure would be installed within the footprint of the proposed project. As evaluated throughout this Initial Study, the project has the potential to result in adverse impacts related to Air Quality, Biological Resources, Cultural and Tribal Cultural Resources, and Hazards and Hazardous Materials. Mitigation Measures AQ-1 through AQ-4, included in Section III, *Air Quality*; Mitigation Measure BIO-1, included in Section IV, *Biological Resources*; Mitigation Measure BIO-1, included in Section V, *Cultural Resources*; and Mitigation Measure HAZ-1, included in Section IX, *Hazards and Hazardous Materials*, have been included to avoid and/or minimize adverse impacts to less-than-significant levels. Therefore, upon implementation of the identified mitigation measures, adjustment and relocation of utility infrastructure would not result in adverse impacts to the environment; therefore, potential impacts would be *less than significant with mitigation*.

b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

The project does not require any connections to water and would not require any longterm operational water use. During construction, water may be used for dust suppression; however, any water used during construction would be limited in volume and supplied from off-site sources. Therefore, *no impact* would occur.

c) 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?

Operation of the project does not include connection to any public or private wastewater treatment providers. Portable restrooms would likely be used by workers and other personnel throughout the construction period; therefore, the project would not require short- or long-term connections to wastewater treatment providers, and *no impact* would occur.

d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Construction of the project may result in a temporary increase in solid waste, which would be disposed of in accordance with applicable state and local laws and regulations, such as California's Green Building Standards Code (CALGreen) Sections 4.408 and 5.408, which requires diversion of at least 75% of construction waste. Based on required compliance with CALGreen regulations, construction of the

project would not generate solid waste in excess of local infrastructure capacity. Solid waste generated by the proposed project would be disposed of at either the Fresno Sanitary Landfill or the American Avenue Landfill, which have adequate capacity to dispose of the marginal amount of solid waste generated by the proposed project. Operation of the project would result in infrequent maintenance on an as-needed basis, consistent with existing operations, and would not generate waste in excess of state or local standards or in excess of the capacity of local infrastructure; therefore, impacts would be *less than significant*.

e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

As previously described, operation of the project would not result in the long-term generation of solid waste. Construction-related waste (i.e., excavated soils) would be disposed of according to federal and state regulations, including CALGreen standards for diversion of construction waste. The project would not generate long-term solid waste and would be compliant with solid waste reduction statutes and regulations. Therefore, impacts would be *less than significant*.

Conclusion

Implementation of Mitigation Measures AQ-1 through AQ-4, included in Section III, *Air Quality*; Mitigation Measure BIO-1, included in Section IV, *Biological Resources*; Mitigation Measures CR-1 and CR-2, included in Section V, *Cultural Resources*; and Mitigation Measure HAZ-1, included in Section IX, *Hazards and Hazardous Materials*, would reduce potential adverse environmental impacts related to relocation of utility infrastructure to less-than-significant levels. The project does not require connection to groundwater resources or a local water or wastewater provider. The project would not generate solid waste in exceedance of state or local regulations. Therefore, with implementation of Mitigation Measures AQ-1 through AQ-4, BIO-1, CR-1 and CR-2, and HAZ-1, impacts related to utilities and service systems would be less than significant.

Mitigation Measures

Implement Mitigation Measures AQ-1 through AQ-4, included in Section III, *Air Quality*; Mitigation Measure BIO-1, included in Section IV, *Biological Resources*; Mitigation Measures CR-1 and CR-2, included in Section V, *Cultural Resources*; and Mitigation Measure HAZ-1, included in Section IX, *Hazards and Hazardous Materials.*

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact						
XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:										
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?			х							

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?			Х	
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?			Х	
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?			Х	

DISCUSSION

<u>Setting</u>

Fresno's high summer temperatures, intense sunlight, and low rainfall could encourage wildland fires by drying and pre-heating combustible material and fostering spontaneous combustion of flammable material. Fresno's estimated maximum wind speed is 70 miles per hour, which could fan blazes to a high intensity. Fire hazards are typically highest in heavily wooded areas, as trees are a great source of fuel, as are grasslands. Although Fresno is proximate to high and very high fire hazard designated areas, the city is largely categorized as little or no threat or moderate fire hazard, which is largely attributed to paved areas. Small areas along the San Joaquin River Bluff area in northern Fresno are prone to wildfire due to relatively steep terrain and vegetation and therefore classified as high fire hazard (City of Fresno 2014).

According to the California Department of Forestry and Fire Protection (CAL FIRE) Fire Hazard Severity Zone (FHSZ) Viewer, the project site and surrounding areas are located in a local responsibility area (LRA) (CAL FIRE 2022). According to the *Fresno County*

Multi-Jurisdictional Hazard Mitigation Plan, the city of Fresno is not located in a wildland area (County of Fresno 2018).

Environmental Evaluation

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

The project site is not located in a high or very high FHSZ or in a state responsibility area (SRA) (CAL FIRE 2022). The project includes the widening of a 0.5-mile portion of Ashlan Avenue and is expected to require temporary traffic controls along Ashlan Avenue during the approximate 6-month construction period. Proposed roadway improvements would primarily be limited to the eastbound lane, which would avoid full closure of Ashlan Avenue. Following project construction, temporary traffic controls would be removed and the eastbound lane of Ashlan Avenue would be widened from one lane to two lanes, which would ultimately reduce congestion along Ashlan Avenue and improve vehicle flow in the area. Therefore, the project would improve emergency response and evacuation efforts in the project area, which would be consistent with the City's *Noise and Safety Element* and the County's Multi-Jurisdictional Hazard Mitigation Plan, and impacts would be *less than significant*.

b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

The project site is characterized by relatively flat topography within an urban area with a low potential for wildfire occurrence. The project does not propose the development of any structures or buildings that could increase the potential for a wildfire to occur in the immediate or surrounding area; therefore, the project would not expose nearby residents to wildfire, and impacts would be *less than significant*.

c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

The project includes the widening of Ashlan Avenue, which is located in an LRA in an area with low risk for wildfire. Proposed roadway improvements would be conducted in accordance with City Public Works Department and AASHTO requirements, which would reduce the potential to increase wildfire risk within the project area. In addition, the project includes the relocation of existing utility poles; however, the project does not include the construction of new or additional utilities that could increase wildfire hazard within the project area. The roadway and associated improvements would be maintained by the City to reduce risk of wildfire ignition; therefore, impacts would be *less than significant*.

d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

The project area is not designated as a high or very high fire hazard area. Based on the low risk of wildfire within the project area, hazards associated with wildfire, including post-fire instability or drainage changes, have a low potential to occur. Further, the project does not include the development of structures that could be damaged or create a hazard for nearby residents; therefore, impacts would be *less than significant.*

Conclusion

The project would not expose people or structures to new or exacerbated wildfire risks or require the development of new or expanded infrastructure or maintenance to reduce wildfire risks, and impacts related to wildfire would be less than significant.

Mitigation Measures

Mitigation is not necessary.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. MANDATORY FINDINGS OF	SIGNIFICAN	CE		
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?		Х		

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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)?		Х		
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?		Х		

DISCUSSION

Environmental Evaluation

a) Does the project have the potential to substantially 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, substantially reduce the number or restrict the range of an endangered, rare, or threatened species, or eliminate important examples of the major periods of California history or prehistory?

As discussed in the preceding sections, the project has the potential to significantly degrade the quality of the environment, including effects on biological resources. During construction, tree removal and construction equipment use may affect biological resources, including special-status and migratory birds. Mitigation Measure BIO-1, included in Section IV, *Biological Resources*, requires preconstruction nesting bird surveys prior to the start of the construction period and identifies the proper protocol to be implemented if nesting birds are present within the project area at the time of project construction, which would reduce potential impacts a less-than-significant level.

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.)

When project impacts are considered along or in combination with other impacts, the project-related impacts may be significant. Construction and operation of the project would contribute to cumulative impacts related to air quality, biological resources, and hazard and hazardous materials. Mitigation measures have been incorporated into the project to reduce project-related impacts to a less-than-significant level. Based on implementation of Mitigation Measures AQ-1 through AQ-4, included in Section III, *Air Quality*; Mitigation Measure BIO-1, included in Section IV, *Biological Resources*; Mitigation Measures CR-1 and CR-2, included in Section V, *Cultural Resources*; and Mitigation Measure HAZ-1, included in Section IX, *Hazards and Hazardous Materials*, the cumulative effects of the proposed project would be less than significant.

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

The project would result in air emissions and may disturb hazardous substances during construction of the project. Mitigation measures have been identified that would reduce these project-specific impacts to a less-than-significant level; therefore, the project would not result in substantial, adverse environmental effects to human beings, either directly or indirectly.

Conclusion

Based on implementation of Mitigation Measures AQ-1 through AQ-4, included in Section III, *Air Quality*; Mitigation Measure BIO-1, included in Section IV, *Biological Resources*; Mitigation Measures CR-1 and CR-2, included in Section V, *Cultural Resources*; and Mitigation Measure HAZ-1, included in Section IX, *Hazards and Hazardous Materials*, all potential impacts associated with the construction and operation of the proposed project would be mitigated to less-than-significant levels.

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APPENDIX A

Project Plans

LEGEND



ABBREVIATIONS

AB —	ASPHALT BASE	N –	NORTH
AC —	ASPHALT CONCRETE	NTS –	NOT TO SCALE
AP -	ANGLE POINT	PCC –	POINT OF COMPOUND CURVE
BC —	BEGIN CURVE	PG –	PROFILE GRADE
BOW —	BACK OF WALK	PRC –	POINT OF REVERSE CURVE
COF –	CITY OF FRESNO	(A) —	PROPOSED
C&G –	CURB AND GUTTER	Ř –	CURVE RADIUS
DWG —	DRAWING	RT –	RIGHT
DWY —	DRIVEWAY	R/W -	RIGHT OF WAY
EC –	END CURVE	ŚHLD –	SHOULDER
(E) —	EXISTING	STA –	STATION
Ë –	EAST	STD –	STANDARD
FG —	FUTURE GRADE	SW —	SIDEWALK
FOW —	FRONT OF WALK	TC –	TOP OF CURB
HMA —	HOT MIX ASPHALT	VAR –	VARIES
LT —	LEFT		





APPENDIX B

CalEEMod Results

- DATE: February 2, 2022
- TO: Interagency Consultation Partners
- FROM: Brandon Chacon, City of Fresno Capital Development Specialist
- RE: Consultation on PM₁₀ and PM_{2.5} Hot-Spot Conformity Assessment for the Ashlan Avenue Road Widening Project FEDERAL ID NO. STPL-5060 (383), FTIP ID# 190019.

Dear Interagency Consultation Partners:

The City of Fresno is providing the following PM_{10} and $PM_{2.5}$ Hot-Spot Conformity Assessment for Interagency Consultation for the Ashlan Avenue Road Widening Project. As part of the environmental review, it is requested that the Interagency Consultation Partners concur that the project is not a "Project of Air Quality Concern" (POAQC), and will not result in new violations of Federal PM_{10} and $PM_{2.5}$ air quality standards. Comments on the assessment should be sent as a reply to all partners, and are due by February 18, 2022. An interagency conference call will be held upon request.

Project Description

The City of Fresno proposes a widening project along a 0.5-mile segment of Ashlan Avenue between North Polk Avenue and North Cornelia Avenue in Fresno County, California (project). This project would widen eastbound Ashlan Avenue from one lane to two lanes to the ultimate right-of-way. The project includes construction of curbs, gutters, and sidewalks; the placement of full section paving; grind and overlay of existing pavement; installation of new curb ramps; new signing and pavement striping; adjustment of water valve lids and sewer manhole covers to finished grade; traffic street lighting and signal installation; and construction of Class II bike lanes.

Construction is anticipated to begin 2024 and is expected to take six months (0.5 years) to complete.

The National Environmental Protection Act document is anticipated to be a Categorical Exclusion.

PM₁₀ and PM_{2.5} Hot-Spot Conformity Assessment

The project is located in the San Joaquin Valley $PM_{2.5}$ nonattainment area and PM_{10} maintenance area, as defined by Federal standards. According to the United States Environmental Protection Agency (USEPA) Transportation Conformity Guidance, PM_{10} and $PM_{2.5}$ hotspot analysis is required for Projects of Air Quality Concern (POAQC) in non-attainment or maintenance areas (40 CFR 93.123(b)(1)). Projects that are exempt or are not POAQC do not require hot-spot analysis.

The project does not meet the criteria of an exempt project under 40 CFR 93.126. However, the City of Fresno has determined that the project does not meet criteria for a POAQC as defined by 40 CFR 93.123(b)(2). According to the USEPA Transportation Conformity Guidance, November 2015, the following are projects of air quality concern:

- i. New or expanded highway projects that have a significant number of or significant increase in diesel vehicles.
- ii. Projects affecting intersections that are at Level-of-Service D, E, or F with a significant number of diesel vehicles, or those that will change to Level-of-Service D, E, or F because of increased traffic volumes from a significant number of diesel vehicles related to the project;
- iii. New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location;
- iv. Expand bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location; and
- v. Projects in or affecting locations, areas, or categories of sites which ate identified in the PM_{2.5} or PM₁₀ applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.

The proposed project is not considered to be a POAQC for the following reasons:

- Ashlan Avenue between North Polk Avenue and North Cornelia Avenue is not designated as a truck route, and does not serve a significant number of diesel vehicles. The 2035 traffic average daily traffic volumes on Ashlan Avenue with the project are anticipated to be 10,762 vehicles with approximately one percent attributed to heavyduty truck traffic.
- The primary purpose of the project is to reduce congestion. This would reduce improve traffic flow thereby reducing pollutant emissions associated with idling and low travel speeds.
- The 0.5-mile roadway improvement would not result in a significant increase in traffic volume.

The project would improve traffic flow and not increase vehicle idling. Therefore, the City of Fresno has completed this PM_{10} and $PM_{2.5}$ assessment and has determined that the project is not a POAQC. The project would not create a new, or worsen an existing PM_{10} and $PM_{2.5}$ violation. Therefore, no further analysis is required.

Public Involvement Process

No additional public involvement is required for this assessment because the project is not a POAQC and the NEPA clearance for a Categorical Exclusion does not require public circulation.

If you have any questions or need additional information, please contact me by email at <u>Brandon.Chacon@fresno.gov</u> or by phone at (559) 621-8713.

Air Quality Appendix

Operational and Construction Emissions

Operational Emissions Summary

		ROG	NOX	CO	SOX	PM10	PM2.5	CO2	CH4
Existing	Delay	4.545	0.656	35.492	0.015	0.002	0.002	1417.824	0.589
Existing	Running	0.422	1.602	15.139	0.037	0.590	0.245	4918.214	0.092
Existing	Total	4.97	2.26	50.63	0.05	0.59	0.25	6336.04	0.68
		DOG	NOV	<u> </u>	601	D1440	DN 42 E	600	<u> </u>
		ROG	NOX	0	SOX	PIMITO	PIVI2.5	CO2	CH4
2035NP	Delay	39.445	4.813	306.269	0.096	0.016	0.031	8972.735	5.091
2035NP	Running	0.398	0.854	15.439	0.058	1.319	0.536	7525.625	0.080
2035NP	Total	39.84	5.67	321.71	0.15	1.33	0.57	16498.36	5.17
		ROG	NOX	CO	SOX	PM10	PM2.5	CO2	CH4
2035P	Delay	39.445	4.813	306.269	0.096	0.016	0.031	8972.735	5.091
2035P	Running	0.324	0.823	13.413	0.056	1.314	0.532	7089.203	0.067
2035P	Total	39.77	5.64	319.68	0.15	1.33	0.56	16061.94	5.16

	Agg. Avg.	24.00	Agg. Avg.	7.63	Agg. Avg.	9.12	Agg. Avg.	52.13	
Totals	1007	24171.6	234	1785.8	537	4896.0	2038	106244.6	
EBL	63	31.9	2	7.5	3	9.1	23	39.7	
EBT	184	31.9	33	7.5	75	9.1	440	39.7	
EBR	38	31.9	8	7.5	3	9.1	89	39.7	
NBL	100	17.7	6	7.4	3	9.2	65	40.5	
NBT	58	17.7	25	7.4	84	9.2	96	40.5	
NBR	5	17.7	19	7.4	68	9.2	330	40.5	
WBL	6	23.4	16	7.7	28	8.9	272	27.7	
WBT	192	23.4	44	7.7	57	8.9	235	27.7	
WBR	145	23.4	5	7.7	36	8.9	80	27.7	
SBL	105	19.3	25	7.8	95	9.2	193	118.1	
SBT	53	19.3	49	7.8	77	9.2	172	118.1	
SBR	58	19.3	2	7.8	8	9.2	43	118.1	
Parameter	Volume	Avg. Delay							
Intersection #		12		13		14		15	
Roads	Ashlan	Bryan	Ashlan	Hayes	Ashlan	Polk	Ashlan	Cornelia	
Existing (2019) AM	_	637	95	142	149	359	895		

	Agg. Avg.	126.88	Agg. Avg.	24.92	Agg. Avg.	255.85	Agg. Avg.	39.79
Totals	1950	247411.5	1188	29606.0	2263	578996.3	2371	94337.9
EBL	136	100.6	31	30.2	35	163	32	33.3
EBT	289	100.6	319	30.2	410	163	624	33.3
EBR	101	100.6	50	30.2	36	163	126	33.3
NBL	175	27.1	80	16.8	16	446.5	50	40.1
NBT	149	27.1	82	16.8	515	446.5	117	40.1
NBR	18	27.1	49	16.8	180	446.5	400	40.1
WBL	33	287.7	22	28.4	30	84.4	283	45.1
WBT	284	287.7	340	28.4	298	84.4	216	45.1
WBR	254	287.7	21	28.4	54	84.4	80	45.1
SBL	174	41	35	16	156	219	221	43.9
SBT	157	41	108	16	511	219	197	43.9
SBR	180	41	51	16	22	219	25	43.9
Parameter	Volume	Avg. Delay						
ntersection #		12		13	1	.4	1	5
Roads	Ashlan	Bryan	Ashlan	Hayes	Ashlan	Polk	Ashlan	Cornelia
2035 NP AM		1052	871	786	817	1128	1073	

	Agg. Avg.	8.56	Agg. Avg.	8.47	Agg. Avg.	13.02	Agg. Avg.	23.30
Totals	354	3031.2	433	3665.7	923	12019.0	1723	40144.3
EBL	13	8.7	8	8.5	9	12.3	13	25.8
EBT	64	8.7	99	8.5	121	12.3	237	25.8
EBR	7	8.7	15	8.5	18	12.3	66	25.8
NBL	6	8.4	25	8.5	9	13.8	52	22.2
NBT	33	8.4	68	8.5	136	13.8	124	22.2
NBR	9	8.4	24	8.5	72	13.8	221	22.2
WBL	8	8.2	20	8.5	82	13.5	275	20.9
WBT	68	8.2	82	8.5	109	13.5	343	20.9
WBR	50	8.2	18	8.5	132	13.5	183	20.9
SBL	62	9	16	8.3	97	12.1	121	30.8
SBT	28	9	47	8.3	130	12.1	73	30.8
SBR	6	9	11	8.3	8	12.1	15	30.8
Parameter	Volume	Avg. Delay	Volume	Avg. Delay	Volume	Avg. Delay	Volume	Avg. Dela
Intersection #		12	:	13	:	14		15
Roads	Ashlan	Bryan	Ashlan	Hayes	Ashlan	Polk	Ashlan	Cornelia
Existing (2019) PM	1	261	240	259	274	613	726	i

594 Ashlan 14 2035 NP PM Roads 818 737 663 947 737 663 Ashlan Hayes 13 1068 Ashlan Bryan 12 Polk Ashlan Cornelia 15 Intersection # Parameter olume Avg. De Volume Avg. Dela olume Avg. Del Volume Avg. Delay SBR 57 85.3 43 14.1 51 263.1 30 40.3 SBT 389 214 85.3 111 14.1 14.1 552 263.1 263.1 148 245 40.3 40.3 26 32 183 25 45 SBL 85.3 162 104 188 37 44 WBR 36.4 15.4 148 57.6 183 29.2 36.4 36.4 31.4 WBT 15.4 198 57.6 434 29.2 98 145 57.6 365.1 312 273 29.2 29.3 WBL 15.4 NBR 16.3 NBT 215 31.4 137 16.3 513 365.1 153 29.3 60 56 352 60 54 196 NBL 25 31.4 16.3 365.1 68 29.3 EBR EBT 60 231 32.7 32.7 36.8 36.8 26.8 26.8 31.7 112 31.7 402 EBL 111 32.7 43 31.7 35 36.8 22 26.8 Totals 1675 90336.6 1113 24475.3 2212 499475.7 2382 73012.7 21.99 Agg. Avg. 225.80 Agg. Avg Agg. Avg. 53.93 Agg. Avg. 30.65

 2019 Idle Rates (grams/hour)
 2019 Daily Emissions

 ROG
 NOX
 CO
 SOX
 PM10
 PM2.5
 CO2
 CH4
 (pounds per day

 18.93819
 2.733927
 147.8788
 0.062018
 0.008607
 0.008235
 5907.407
 2.455874

 ZO3D Bainy Emissions
 ROG
 NOX
 CO
 SOX
 PM10
 PM2.5
 CO2
 CH4

 (pounds per day)
 ROG
 NOX
 CO
 SOX
 PM10
 PM2.5
 CO2
 CH4

 4.545
 0.656
 35.492
 0.015
 0.002
 0.002
 1417.824
 0.589

 2035
 Daily Emissions
 CO
 SOX
 PM10
 PM2.5
 CO2
 CH4

2035 Idle Rates (grams/hour) ROG NOX CO SOX PM10 PM2.5 CO2 CH4 19.66567 2.399355 152.693 0.047824 0.007994 0.015496 4473.435 2.538309

(pounds per day) ROG NOX CO SOX PM10 PM2.5 CO2 CH4 39.445 4.813 306.269 0.096 0.016 0.031 8972.735 5.091
 FileName:
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 CT-EMFAC:
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 RunDate:
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 Area:
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 AnalysisYe:
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 Season:
 Annual

VehicleCat/VMTFractic DieselVMT GasVMTFraction AcrossCate WithinCate WithinCategory

 Truck1
 0.02
 0.542
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 Truck2
 0.01
 0.977
 0.018

 Non-Truck
 0.97
 0.01
 0.982

RoadType: Major/Collector SiltLoading CARB 0.032g/m2 Precipitatic CARB P=45days N=365days

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

PollutantN <=5mph 10mph 15mph 20mph 25mph 30mph 35mph 40mph 45mph 50mph 55mph 60mph 65mph 70mph 75mph 0.01382 0.009429 0.006445 0.004588 0.003536 0.002894 0.002495 0.002271 0.002185 0.002219 0.002365 0.002565 0.002807 0.002952 0.002952 PM2.5 PM10 0.014863 0.01012 0.006914 0.00492 0.003789 0.003097 0.002667 0.002425 0.002331 0.002365 0.002519 0.00273 0.00299 0.003147 0.003147 NOx 0.415587 0.351872 0.288843 0.251216 0.228104 0.210953 0.198559 0.190444 0.186321 0.186043 0.18959 0.196897 0.207978 0.212545 0.212545 2.530626 2.181911 1.905329 1.693062 1.52873 1.395336 1.285243 1.19455 1.120997 1.063683 1.023109 1.001576 1.003956 1.016754 1.017009 CO 0.255481 0.168594 0.112358 0.07861 0.05936 0.047316 0.039576 0.034752 0.032064 0.031111 0.031759 0.034085 0.038381 0.041481 0.041506 ROG 1,3-Butadit 0.001118 0.00178 0.000798 0.00059 0.000432 0.000344 0.000288 0.000253 0.000234 0.000238 0.000233 0.00025 0.000282 0.000304 0.000304 Acetaldehy 0.003727 0.002657 0.001583 0.000955 0.000712 0.000571 0.000475 0.000412 0.000374 0.000359 0.000364 0.000382 0.00041 0.000429 0.000432 0.000399 0.000258 0.000176 0.000127 0.000096 0.000077 0.000064 0.000056 0.000052 0.000051 0.000052 0.000056 0.000068 0.000068 0.000068 Acrolein 0.008301 0.005435 0.003643 0.00257 0.001949 0.00155 0.001297 0.001139 0.001052 0.001022 0.001044 0.001119 0.001257 0.001356 0.001356 Benzene DieselPM 0.004022 0.003245 0.002319 0.001683 0.001385 0.001216 0.001115 0.001077 0.001096 0.001172 0.001306 0.001414 0.001478 0.001483 0.001483 Ethylbenze 0.003416 0.00222 0.001505 0.001075 0.000816 0.000649 0.000543 0.000478 0.000442 0.00043 0.000472 0.000575 0.000575 0.000575 Formaldeh 0.010353 0.007186 0.004441 0.002827 0.002119 0.001695 0.001412 0.00123 0.001124 0.001083 0.001101 0.001163 0.001271 0.001347 0.001351 Naphthale: 0.000227 0.000151 0.000101 0.000071 0.000053 0.000042 0.000036 0.000032 0.000029 0.000028 0.000029 0.000031 0.000034 0.000036 0.000036 POM 0.00033 0.00022 0.000143 0.000097 0.000073 0.000058 0.000049 0.000043 0.000039 0.000038 0.000039 0.000042 0.000046 0.000049 0.000049 DEOG 0.033379 0.024882 0.013822 0.007436 0.005451 0.004389 0.003623 0.003093 0.002761 0.002606 0.002617 0.002677 0.002729 0.002759 0.002786 827.4849 673.9641 548.8232 456.9244 391.4009 347.5155 322.1529 311.1166 311.1453 319.5443 332.2416 345.6109 356.7802 359.9574 359.9574 CO2 0.025445 0.021892 0.01841 0.016125 0.014477 0.013304 0.012527 0.011971 0.011612 0.011515 0.011713 0.012075 0.012677 0.012968 0.012968 N20 CH4 0.049355 0.034903 0.025149 0.01896 0.015 0.012354 0.010562 0.009372 0.008631 0.008254 0.008205 0.008518 0.009229 0.009726 0.009727

FleetAverageFuelConsumption(gallons/veh-mile)

 FuelType
 <=5mph</th>
 10mph
 15mph
 20mph
 25mph
 30mph
 35mph
 40mph
 45mph
 50mph
 55mph
 60mph
 65mph
 70mph
 75mph

 Gasoline
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FleetAverageRunningLossEmissionFactors(grams/veh-hour)

 PollutantN
 EvisionFactor

 ROG
 2.061182

 1,3-Butadie
 0

 Benzen
 0.020612

 Ethylbenz
 0.038303

 Naphthal
 0.002886

 CH4
 0.287798

FleetAverageTireWearFactors(grams/veh-mile)

PollutantN EmissionFactor PM2.5 0.002067 PM10 0.008269

FleetAverageBrakeWearFactors(grams/veh-mile)

PollutantN EmissionFactor PM2.5 0.016833 PM10 0.039277

FleetAverageRoadDustFactors(grams/veh-mile)

PollutantN EmissionFactor PM2.5 0.015069 PM10 0.100459

2019 PM2.5 PM10 NOx CO ROG 1,3-Butadic Acetaldehy Acrolein Benzene DieselPM Ethylbenze Formaldeh Naphthaler POM DEOG CO2 N20 CH4 0.040414 0.154919 0.288843 1.905329 0.112358 0.000798 0.001583 0.000176 0.003643 0.002319 0.001505 0.004441 0.000101 0.000143 0.013822 548.8232 0.01841 0.025149 15mph 0.038557 0.152925 0.251216 1.693062 0.07861 0.000569 0.000955 0.00127 0.00257 0.001683 0.001075 0.002827 0.000071 0.000097 0.007436 456.9244 0.016125 0.01896 20mph 0.037505 0.151794 0.228104 1.52873 0.05936 0.000432 0.000712 0.000096 0.001949 0.001385 0.000816 0.002119 0.000053 0.000073 0.005451 391.4009 0.014477 25mph 0.015 0.036863 0.151102 0.210953 1.395336 0.047316 0.000344 0.000571 0.00077 0.00155 0.001216 0.000649 0.001695 0.000042 0.000058 0.004389 347.5155 0.013304 0.012354 30mph 35mph 0.036464 0.150672 0.198559 1.285243 0.039576 0.000288 0.000475 0.00064 0.001297 0.001115 0.000543 0.001412 0.000036 0.00049 0.003623 322.1529 0.012527 0.010562 40mph 0.03624 0.1504 0.19044 1.1945 0.03475 0.00023 0.00042 0.00050 0.00113 0.00107 0.00047 0.00123 0.00003 0.00003 0.00003 0.11.16 0.01197 0.00972 0.036154 0.150336 0.186321 1.12097 0.032064 0.000234 0.000374 0.00052 0.001052 0.001052 0.001042 0.001124 0.00029 0.00039 0.00276 311.1453 0.011612 0.008631 45mph

 FileName:
 Fresno(SJV)-2035-Annual.EF

 CT-EMFAC:
 1.0.2.27401

 RunDate:
 2/1/2028:27:14PM

 Area:
 Fresno(SJV)

 AnalysisYe:
 2035

 Season:
 Annual

VehicleCat VMTFractic DieselVMT GasVMTFraction

 AcrossCate WithinCate WithinCategory

 Truck1
 0.02
 0.544
 0.456

 Truck2
 0.01
 0.976
 0.016

 Non-Truck
 0.97
 0.015
 0.939

RoadType: Major/Collector SiltLoading CARB 0.032g/m2 Precipitatic CARB P=45days N=365days

FleetAverageRunningExhaustEmissionFactors(grams/veh-mile)

PollutantN <=5mph 10mph 15mph 20mph 25mph 30mph 35mph 40mph 45mph 50mph 55mph 60mph 65mph 70mph 75mph 0.005 0.003269 0.002241 0.001619 0.001236 0.001003 0.000864 0.000791 0.000766 0.000781 0.000833 0.000924 0.001059 0.001116 0.001116 PM2.5 PM10 0.005414 0.003536 0.002422 0.001747 0.001333 0.00108 0.000929 0.000849 0.000821 0.000836 0.000891 0.000987 0.001132 0.001193 0.001193 NOx 0.190361 0.151078 0.114695 0.095305 0.080091 0.067127 0.057005 0.049603 0.044848 0.042699 0.043137 0.046187 0.051845 0.05261 0.05261 1.037701 0.897439 0.774862 0.68434 0.619481 0.567012 0.522922 0.485767 0.454706 0.429356 0.409782 0.396717 0.391599 0.39284 0.393349 CO 0.090785 0.059504 0.038993 0.026791 0.020037 0.015912 0.013301 0.011696 0.010819 0.010528 0.010777 0.011621 0.013187 0.014331 0.014381 ROG 1,3-Butadie 0.000644 0.000417 0.000281 0.000198 0.000149 0.000119 0.000099 0.00088 0.00081 0.00079 0.00081 0.000088 0.0001 0.000108 0.000108 Acetaldehy 0.001485 0.001045 0.000591 0.000329 0.000233 0.000184 0.000153 0.000132 0.000112 0.000115 0.000115 0.000122 0.000135 0.000146 0.000149 0.000141 0.000091 0.000062 0.000044 0.000033 0.000027 0.000022 0.00002 0.000018 0.000018 0.000018 0.00002 0.000022 0.000024 0.000024 Acrolein 0.002934 0.001914 0.001269 0.000881 0.000661 0.000525 0.000439 0.000387 0.000358 0.000349 0.000357 0.000386 0.000437 0.000475 0.000476 Benzene DieselPM 0.000554 0.000474 0.000387 0.000321 0.000279 0.000258 0.000253 0.000261 0.000283 0.000315 0.00036 0.000415 0.000479 0.000479 0.000479 Ethylbenze 0.001215 0.000787 0.00053 0.000375 0.000282 0.000224 0.000188 0.000165 0.000153 0.000154 0.000166 0.000169 0.000205 0.000205 Formaldeh 0.003945 0.002716 0.001608 0.000962 0.000696 0.000551 0.000458 0.000399 0.000365 0.000351 0.000355 0.000379 0.000423 0.000458 0.000465 Naphthale: 0.00009 0.00006 0.00004 0.000028 0.00002 0.000017 0.000014 0.000013 0.000012 0.000011 0.000013 0.000014 0.000014 0.000014 POM 0.000106 0.00007 0.000045 0.00003 0.000023 0.000018 0.000015 0.000013 0.000012 0.000012 0.000012 0.000013 0.000015 0.000016 0.000016 DEOG 0.013136 0.009637 0.004931 0.002245 0.001488 0.001162 0.000948 0.000804 0.000711 0.000655 0.000633 0.000654 0.000691 0.000735 0.000788 536.8715 437.0692 355.3379 295.9742 253.4955 224.9106 208.3843 201.0938 200.9913 206.4372 214.753 223.6064 231.2329 233.332 233.332 CO2 0.013528 0.01158 0.009457 0.008285 0.007356 0.006686 0.006272 0.00596 0.005747 0.005693 0.005817 0.006014 0.006338 0.006449 0.006449 N20 CH4 0.017806 0.012762 0.00957 0.00754 0.006241 0.005364 0.00476 0.004344 0.004071 0.003914 0.003863 0.003923 0.004114 0.004234 0.004236

FleetAverageFuelConsumption(gallons/veh-mile)

 FuelType
 <=5mph</th>
 10mph
 15mph
 20mph
 25mph
 30mph
 35mph
 40mph
 45mph
 50mph
 55mph
 60mph
 65mph
 70mph
 75mph

 Gasoline
 0.059844
 0.048335
 0.039747
 0.022824
 0.025035
 0.023133
 0.022377
 0.022404
 0.023119
 0.024021
 0.025025
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FleetAverageRunningLossEmissionFactors(grams/veh-hour)

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FleetAverageTireWearFactors(grams/veh-mile)

PollutantN EmissionFactor PM2.5 0.002068 PM10 0.008274

FleetAverageBrakeWearFactors(grams/veh-mile)

PollutantN EmissionFactor PM2.5 0.016722 PM10 0.039017

FleetAverageRoadDustFactors(grams/veh-mile)

PollutantN EmissionFactor PM2.5 0.014209 PM10 0.094726

PM2.5 PM10 NOx CO ROG 1.3-Butadi(Acetaldeh) Acrolein Benzene DieselPM Ethylbenze Formaldeh Naphthale(POM DEOG CO2 N20 CH4 0.03524 0.144439 0.114695 0.774862 0.03893 0.000281 0.000591 0.000502 0.001269 0.000387 0.00053 0.001608 0.00004 0.000045 0.004931 355.3379 0.009457 0.00957 0.034618 0.143764 0.095305 0.68434 0.026791 0.000198 0.000329 0.000044 0.000881 0.000321 0.000375 0.000962 0.000028 0.00033 0.002245 295.9742 0.008285 0.007541 0.034235 0.14335 0.080091 0.619481 0.020037 0.000149 0.000233 0.000661 0.000279 0.000282 0.000696 0.00023 0.001488 253.4955 0.007356 0.006241 0.034002 0.143097 0.067127 0.567012 0.05912 0.00119 0.000119 0.00012 0.00027 0.00525 0.000258 0.000254 0.000551 0.00017 0.00018 0.00168 224.9106 0.005666 0.005664 0.00566 0.033863 0.142946 0.057005 0.52292 0.01301 0.00099 0.00153 0.00022 0.00043 0.00025 0.00018 0.00018 0.00018 0.00014 0.00015 0.00094 208.3843 0.006272 0.00476 0.03379 0.14286 0.049603 0.48576 0.01169 0.00088 0.00132 0.0002 0.00387 0.00216 0.0015 0.00399 0.00013 0.00013 0.00013 0.0084 201.0938 0.0056 0.00434 0.033765 0.142838 0.048484 0.454706 0.010819 0.000011 0.00018 0.00018 0.000358 0.000283 0.000133 0.000365 0.00012 0.00011 20.0913 0.00574 0.004071

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for ->	Ashlan Avenue Road V	Nidening		Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.23	14.04	24.05	1.91	0.91	1.00	0.77	0.56	0.21	0.11	11,260.59	0.68	1.37	11,685.68
Grading/Excavation	2.46	22.53	36.78	2.46	1.46	1.00	1.24	1.03	0.21	0.13	13,618.50	1.38	1.40	14,069.39
Drainage/Utilities/Sub-Grade	1.19	8.77	11.20	1.46	0.46	1.00	0.58	0.37	0.21	0.04	3,724.27	0.65	0.19	3,798.24
Paving	2.50	27.84	36.49	1.54	1.54	0.00	1.13	1.13	0.00	0.13	13,573.23	1.44	1.39	14,024.30
Maximum (pounds/day)	2.50	27.84	36.78	2.46	1.54	1.00	1.24	1.13	0.21	0.13	13,618.50	1.44	1.40	14,069.39
Total (tons/construction project)	0.13	1.21	1.83	0.13	0.07	0.06	0.06	0.05	0.01	0.01	686.90	0.07	0.07	709.03
Notes: Project Start Year ->	2024										<u> </u>			
Project Length (months) ->	6													
Total Project Area (acres) ->	4													
Maximum Area Disturbed/Day (acres) ->	0													
Water Truck Used? ->	Yes													
	Total Material In Volume	nported/Exported (yd ³ /day)		Daily VMT	(miles/day)									
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck								
Grubbing/Land Clearing	1500	0	2,250	0	200	40								
Grading/Excavation	1,500	0	2,250	0	800	40								
Drainage/Utilities/Sub-Grade	150	0	240	0	560	40								
Paving	0	1500	0	2,250	400	40								
PM10 and PM2.5 estimates assume 50% control of fugitive dust from water	ring and associated of	dust control measure	s if a minimum numb	er of water trucks a	e specified.									
Total PM10 emissions shown in column F are the sum of exhaust and fugitive	ve dust emissions sho	own in columns G an	d H. Total PM2.5 err	nissions shown in Co	lumn I are the sum o	exhaust and fugitive	dust emissions sho	wn in columns J and	К.					
CO2e emissions are estimated by multiplying mass emissions for each GHC	3 by its global warmi	ng potential (GWP),	1, 25 and 298 for C	O2, CH4 and N2O, r	espectively. Total CC	02e is then estimated	by summing CO2e	estimates over all GI	HGs.					
Total Emission Estimates by Phase for ->	Ashlan Avenue Road V	Nidening		Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	PM10 (tons/phase)	PM10 (tons/phase)	PM10 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.09	0.16	0.01	0.01	0.01	0.01	0.00	0.00	0.00	74.32	0.00	0.01	69.97
Grading/Excavation	0.07	0.67	1.09	0.07	0.04	0.03	0.04	0.03	0.01	0.00	404.47	0.04	0.04	379.08
Drainage/Utilities/Sub-Grade	0.02	0.17	0.22	0.03	0.01	0.02	0.01	0.01	0.00	0.00	73.74	0.01	0.00	68.23
Paving	0.02	0.28	0.36	0.02	0.02	0.00	0.01	0.01	0.00	0.00	134.37	0.01	0.01	125.96
Maximum (tons/phase)	0.07	0.67	1.09	0.07	0.04	0.03	0.04	0.03	0.01	0.00	404.47	0.04	0.04	379.08
Total (tons/construction project)	0.13	1.21	1.83	0.13	0.07	0.06	0.06	0.05	0.01	0.01	686.90	0.07	0.07	643.23
PM10 and PM2.5 estimates assume 50% control of fugitive dust from water	ring and associated of	dust control measure	s if a minimum numb	er of water trucks a	e specified.									
Total PM10 emissions shown in column F are the sum of exhaust and fugitiv	ve dust emissions shr	own in columns G an	id H. Total PM2.5 err	nissions shown in Co	lumn I are the sum o	exhaust and fugitive	dust emissions sho	wn in columns J and	К.					

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model		Version 9.0.0					
Data Entry Worksheet						SACRAMENTO METR	POLITAN
Note: Required data input sections have a yellow background.				To begin a new project, cli	ck this button to		
Optional data input sections have a blue background. Only areas with	а			clear data previously enter	ed. This button		
yellow or blue background can be modified. Program defaults have a v	vhite background.			will only work if you opted i macros when loading this	not to disable		
The user is required to enter information in cells D10 through D24, E2	8 through G35, and D38 through	D41 for all project types.		matrice when fouring the	sproudonicot.	AIR QUA	LITY
Please use "Clear Data Input & User Overrides" button first before cha	nging the Project Type or begin	a new project.				MANAGEMENT D	ISTRICT
Input Type							
Project Name	Ashlan Avenue Road Widenin	9					
		E					
Construction Start Year	2024	and 2040 (inclusivo)					
		and 2040 (inclusive)					
Project Type		1) New Road Construction : Pro	pject to build a roadway from bare g	round, which generally requires	more site preparation th	an widening an existing	roadway
	2	2) Road Widening : Project to a	add a new lane to an existing roadw	av			
	2	 Bridge/Overpass Construction 	on : Project to build an elevated roa	dway, which generally requires s	ome different equipmen	t than a new roadway.	such as a crane
		4) Other Linear Project Type: N	on-roadway project such as a pipeli	ine, transmission line, or levee co	onstruction		
Project Construction Time	6.00	months					
Working Days per Month	22.00	days (assume 22 if unknown)					
Predominant Soil/Site Type: Enter 1, 2, or 3		1) Sand Gravel : Use for guater	mary deposits (Delta/West County)				Please note that the soil type instructions provided in cells E18 to
(for project within "Sacramento County", follow soil type selection	2	2) Weathered Reek Earth : Line	for Laguna formation (lackson His	abway area) or the lone formation	(Scott Road, Rancho M	Aurioto)	California Geologia Sunary, (see weblick below) and be used to
instructions in cells E18 to E20 otherwise see instructions provided in		2) Weathered Rock-Earth : Ose	e lor caguna lormation (Sackson Filg	griway area) or the lone lonnation	i (Scott Road, Railcilo i	nulleta)	determine soil type outside Sacramento County
cells J18 to J22)		Blasted Rock : Use for Salt \$	Springs Slate or Copper Hill Volcani	ics (Folsom South of Highway 50	l, Rancho Murieta)		determine son type datate oderanento oderny.
Project Length	0.50	miles					
Total Project Area	4.00	acres					
Maximum Area Disturbed/Day	0.10	acres					http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pa
Water Trucks Lised?	1	1. Yes					ges/googlemaps.aspx#regionalseries
		2. No					
Material Hauling Quantity Input					-		
Material Type	Phase	Haul Truck Capacity (yd3) (assume 20 if	Import Volume (vd3/dav)	Export Volume (vd ³ /dav)			
		unknown)	import volume (ju /uuj)	Export volume (ju /duy)			
	Grubbing/Land Clearing	20.00	0.00	1500.00			
C-1	Grading/Excavation	20.00	0.00	1500.00			
301	Drainage/Utilities/Sub-Grade	00.00		150.00			
	Poving	20.00	0.00	0.00	-		
	Paving Cashking and Classics	20.00	0.00	0.00			
	Grading/Execution	20.00	0.00	0.00			
Asphalt	Grading/Excavation	20.00	0.00	0.00			
	Drainage/Utilities/Sub-Grade	20.00	0.00	0.00			
	Paving	20.00	1500.00	0.00			
					-		
Mitigation Options							
On-road Eleat Emissions Mitigation			Select "2010 and News	r On-road Vehicles Fleet" ontion	when the on-road heavs	-duty truck fleet for the	project will be limited to vehicles of model year 2010 or newer
on road ricer Emissions miligated			Select "20% NOx and 4	5% Exhaust PM reduction" option	if the project will be re	uired to use a lower e	nitting off-road construction fleet. The SMAOMD Construction Mitigation Calculator.
Off-road Equipment Emissions Mitigation			can be used to confirm	compliance with this mitigation n	neasure (http://www.airo	uality.org/Businesses/	CEQA-Land-Use-Planning/Mitigation).
			Select "Tier 4 Equipment	nt" option if some or all off-road e	equipment used for the p	oroject meets CARB Tie	er 4 Standard

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

		Program		Program
	User Override of	Calculated	User Override of	Default
Construction Periods	Construction Months	Months	Phase Starting Date	Phase Starting Date
Grubbing/Land Clearing		0.60		1/1/2024
Grading/Excavation		2.70		1/20/2024
Drainage/Utilities/Sub-Grade		1.80		4/12/2024
Paving		0.90		6/6/2024
Totals (Months)		6		

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions	User Override of	Program Estimate of	User Override of Truck	Default Values	Calculated					
User Input	Miles/Round Trip	Miles/Round Trip	Round Trips/Day	Round Trips/Day	Daily VMT					
Miles/round trip: Grubbing/Land Clearing		30.00		75	2250.00					
Miles/round trip: Grading/Excavation		30.00		75	2250.00					
Miles/round trip: Drainage/Utilities/Sub-Grade		30.00		8	240.00					
Miles/round trip: Paving		30.00		0	0.00					
Emission Rates	ROG	co	NOx	PM10	PM2.5	SOx	C02	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1.693.55	0.00	0.27	1.772.92
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1.693.55	0.00	0.27	1,772,92
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1.693.55	0.00	0.27	1,772,92
Paving (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.15	2.02	15.73	0.55	0.24	0.08	8,400.71	0.01	1.32	8,794.38
Tons per const. Period - Grubbing/Land Clearing	0.00	0.01	0.10	0.00	0.00	0.00	55.44	0.00	0.01	58.04
Pounds per day - Grading/Excavation	0.15	2.02	15.73	0.55	0.24	0.08	8,400.71	0.01	1.32	8,794.38
Tons per const. Period - Grading/Excavation	0.00	0.06	0.47	0.02	0.01	0.00	249.50	0.00	0.04	261.19
Pounds per day - Drainage/Utilities/Sub-Grade	0.02	0.22	1.68	0.06	0.03	0.01	896.08	0.00	0.14	938.07
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.03	0.00	0.00	0.00	17.74	0.00	0.00	18.57
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.08	0.60	0.02	0.01	0.00	322.69	0.00	0.05	337.81

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

Asphalt Hauling Emissions	User Override of	Program Estimate of	User Override of Truck	Default Values	Calculated					
User Input	Miles/Round Trip	Miles/Round Trip	Round Trips/Day	Round Trips/Day	Daily VMT					
Miles/round trip: Grubbing/Land Clearing		30.00		0	0.00					
Miles/round trip: Grading/Excavation		30.00		0	0.00					
Miles/round trip: Drainage/Utilities/Sub-Grade		30.00		0	0.00					
Miles/round trip: Paving		30.00		75	2250.00					
Emission Rates	ROG	co	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Paving (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	ROG	co	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.15	2.02	15.73	0.55	0.24	0.08	8,400.71	0.01	1.32	8,794.38
Tons per const. Period - Paving	0.00	0.02	0.16	0.01	0.00	0.00	83.17	0.00	0.01	87.06
Total tons per construction project	0.00	0.02	0.16	0.01	0.00	0.00	83 17	0.00	0.01	87.06

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Note: Worker commute default values can be overridden in cells D121 through D126.

Worker Commute Emissions	User Override of Worker									
User Input	Commute Default Values	Default Values								
Miles/ one-way trip		20	Calculated	Calculated						
One-way trips/day		2	Daily Trips	Daily VMT						
No. of employees: Grubbing/Land Clearing		5	10	200.00						
No. of employees: Grading/Excavation		20	40	800.00						
No. of employees: Drainage/Utilities/Sub-Grade		14	28	560.00						
No. of employees: Paving		10	20	400.00						
Emission Rates	ROG	co	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.01	0.84	0.06	0.05	0.02	0.00	306.70	0.00	0.01	308.54
Grading/Excavation (grams/mile)	0.01	0.84	0.06	0.05	0.02	0.00	306.70	0.00	0.01	308.54
Draining/Utilities/Sub-Grade (grams/mile)	0.01	0.84	0.06	0.05	0.02	0.00	306.70	0.00	0.01	308.54
Paving (grams/mile)	0.01	0.84	0.06	0.05	0.02	0.00	306.70	0.00	0.01	308.54
Grubbing/Land Clearing (grams/trip)	0.98	2.66	0.27	0.00	0.00	0.00	65.99	0.07	0.03	76.61
Grading/Excavation (grams/trip)	0.98	2.66	0.27	0.00	0.00	0.00	65.99	0.07	0.03	76.61
Draining/Utilities/Sub-Grade (grams/trip)	0.98	2.66	0.27	0.00	0.00	0.00	65.99	0.07	0.03	76.61
Paving (grams/trip)	0.98	2.66	0.27	0.00	0.00	0.00	65.99	0.07	0.03	76.61
Emissions	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.03	0.43	0.03	0.02	0.01	0.00	136.69	0.00	0.00	137.73
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.91
Pounds per day - Grading/Excavation	0.11	1.71	0.14	0.08	0.03	0.01	546.75	0.01	0.01	550.93
Tons per const. Period - Grading/Excavation	0.00	0.05	0.00	0.00	0.00	0.00	16.24	0.00	0.00	16.36
Pounds per day - Drainage/Utilities/Sub-Grade	0.08	1.20	0.09	0.06	0.02	0.00	382.72	0.01	0.01	385.65
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.02	0.00	0.00	0.00	0.00	7.58	0.00	0.00	7.64
Pounds per day - Paving	0.06	0.86	0.07	0.04	0.02	0.00	273.37	0.01	0.01	275.46
Tons per const. Period - Paving	0.00	0.01	0.00	0.00	0.00	0.00	2.71	0.00	0.00	2.73
Total tons per construction project	0.01	0.00	0.01	0.00	0.00	0.00	27.42	0.00	0.00	27 62

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

Water Truck Emissions	User Override of	Program Estimate of	User Override of Truck	Default Values	Calculated	User Override of	Default Values	Calculated		
User Input	Default # Water Trucks	Number of Water Trucks	Round Trips/Vehicle/Day	Round Trips/Vehicle/Day	Trips/day	Miles/Round Trip	Miles/Round Trip	Daily VMT		
Grubbing/Land Clearing - Exhaust		1		5	5		8.00	40.00		
Grading/Excavation - Exhaust		1		5	5		8.00	40.00		
Drainage/Utilities/Subgrade		1		5	5		8.00	40.00		
Paving		1		5	5		8.00	40.00		
Emission Rates	ROG	со	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Paving (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.00	0.04	0.32	0.01	0.00	0.00	149.35	0.00	0.02	156.34
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	1.03
Pounds per day - Grading/Excavation	0.00	0.04	0.32	0.01	0.00	0.00	149.35	0.00	0.02	156.34
Tons per const. Period - Grading/Excavation	0.00	0.00	0.01	0.00	0.00	0.00	4.44	0.00	0.00	4.64
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.04	0.32	0.01	0.00	0.00	149.35	0.00	0.02	156.34
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.01	0.00	0.00	0.00	2.96	0.00	0.00	3.10
Pounds per day - Paving	0.00	0.04	0.32	0.01	0.00	0.00	149.35	0.00	0.02	156.34
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.00	0.00	1.55
Total tons per construction project	0.00	0.00	0.02	0.00	0.00	0.00	9.86	0.00	0.00	10.32

Note: Fugitive dust default values can be overridden in cells D183 through D185.

Fugitive Dust	User Override of Max	Default	PM10	PM10	PM2.5	PM2.5
	Acreage Disturbed/Day	Maximum Acreage/Day	pounds/day	tons/per period	pounds/day	tons/per period
Fugitive Dust - Grubbing/Land Clearing		0.10	1.00	0.01	0.21	0.00
Fugitive Dust - Grading/Excavation		0.10	1.00	0.03	0.21	0.01
Fugitive Dust - Drainage/Utilities/Subgrade		0.10	1.00	0.02	0.21	0.00

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Off-Road Equipment Emissions														
	Default	Mitigation Opt	ion											
Grubbing/Land Clearing	Number of Vehicles	Override of	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
		Default Equipment Tier (applicable only												
Override of Default Number of Vehicles	Program-estimate	when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Туре	pounds/day									
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Concrete/industrial Saws	0.31	3.00	2.41	0.11	0.11	0.01	592.67	0.03	0.00	594.70
0.00	4		Model Default Tier	Cranles Crawles Teasters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00	2		Model Default Tier	Excavators	0.00	3.27	1.40	0.00	0.00	0.00	500.27	0.00	0.00	505.66
1.00			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Off-Highway Trucks	0.50	3.25	3.33	0.12	0.11	0.01	1.280.35	0.41	0.01	1.294.14
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipri	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	1		Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Skid Steer Loaders	0.06	1.38	0.83	0.03	0.02	0.00	200.57	0.06	0.00	202.73
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tiel	weiders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Off-read Equipment	If non-default unbigling are up	ad plaase provide information in 'Non-default (off road Equipment' tab		POG	00	NOv	PM40	DM2.6	80×	c02	CH4	N2O	0020
Number of Vehicles		Equipment T	ior	Туре	nounds/day	pounds/day	nounds/day	nounds/day	nounds/day	nounds/day	nounds/day	nounde/day	nounds/day	pounds/day
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		NA		ő	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing			pounds per day	1.05	11.55	7.97	0.33	0.31	0.03	2,573.85	0.67	0.02	2,597.22
	Grubbing/Land Clearing			tons per phase	0.01	0.08	0.05	0.00	0.00	0.00	16.99	0.00	0.00	17.14

	Default	Mitigation Ontion												
Grading/Excavation	Number of Vehicles	Override of	Default		ROG	00	NOv	PM10	PM2 5	SOv	CO2	CH4	N2O	CO2e
		Default Equipment Tier (applicable only												
Override of Default Number of Vehicles	Program-estimate	when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Туре	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Air Compressors	0.24	2.41	1.63	0.08	0.08	0.00	375.26	0.02	0.00	376.63
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0		Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	1		Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	3		Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00	2		Model Default Tier	Graders	0.35	1.66	4.16	0.13	0.12	0.01	640.51	0.21	0.01	647.41
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Off-Highway Trucks	0.50	3.25	3.33	0.12	0.11	0.01	1,280.35	0.41	0.01	1,294.14
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipri	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00	Z		Model Default Tier	Rollers	0.15	1.85	1.52	0.08	0.07	0.00	254.15	0.08	0.00	256.88
			Model Default Tier	Rough Ferrain Porkins	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	1		Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00	2		Model Default Tier	Seranora	0.00	6.00 E 07	7.70	0.00	0.00	0.00	1 460 10	0.00	0.00	1 484 02
0.00	2		Model Default Tier	Signal Roards	0.00	0.00	0.00	0.00	0.20	0.02	0.00	0.40	0.01	1,404.55
1.00	1		Model Default Tier	Skid Stoor Londorn	0.00	1.29	0.00	0.00	0.00	0.00	200.57	0.00	0.00	202.72
1:00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.03	0.02	0.00	200.57	0.00	0.00	202.73
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00	4		Model Default Tier	Tractors/Loaders/Backhoes	0.00	2.24	1.45	0.00	0.06	0.00	301 77	0.00	0.00	305.01
1.00	-		Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0.00	0.00			0.00	0.00		0.00
User-Defined Off-road Equipment	lf non-default vehicles are use	d, please provide information in 'Non-default Off-	oad Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles		Equipment Tier		Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/dav	pounds/day	pounds/day	pounds/day	pounds/day
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grading/Excavation			pounds per day	2.20	18.76	20.60	0.81	0.76	0.05	4,521.70	1.36	0.04	4,567.74
	Grading/Excavation			tons per phase	0.07	0.56	0.61	0.02	0.02	0.00	134.29	0.04	0.00	135.66

	Default	Mitigation Opti	DN											
Drainage/Utilities/Subgrade	Number of Vehicles	Override of	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
		Default Equipment Tier (applicable only												
Override of Default Number of Vehicles	Program-estimate	when "Tier 4 Mitigation" Option Selected)	Equipment Tier		pounds/day									
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Air Compressors	0.24	2.41	1.63	0.08	0.08	0.00	375.26	0.02	0.00	376.63
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	1		Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Graders	0.35	1.66	4.16	0.13	0.12	0.01	640.51	0.21	0.01	647.41
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Off-Highway Trucks	0.50	3.25	3.33	0.12	0.11	0.01	1,280.35	0.41	0.01	1,294.14
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	1		Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	1		Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	1		Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	1		Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	1		Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	3		Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment	If non-default vehicles are use	ed, please provide information in 'Non-default O	f-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles		Equipment Ti	ər	Туре	pounds/day									
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade			pounds per day	1.09	7.32	9.11	0.34	0.32	0.02	2,296.12	0.64	0.02	2,318.18
	Drainage/Utilities/Sub-Grade			tons per phase	0.02	0.14	0.18	0.01	0.01	0.00	45.46	0.01	0.00	45.90

	B ()	100 × 0												
	Detault	Mitigation Op	ion D ()						D1 40 5				100	
Paving	Number of vehicles	Override of	Default		RUG	00	NUX	PMIU	PM2.5	SUX	002	CH4	N20	CO2e
		Defects Continuent Time (applicable colo												
Overside of Default Number of Makielan	Deserve estimate	when "Tier 4 Mitigation" Option Selected)	Covier est Tiss	T	a a consta (da co	a a consta (da co	a a constant da falar o	a a consta (staro	a aura da (daur		a a con da (da c	a a consta da fata o	a aura da (dau	de (des
Override of Deladit Number of Vehicles	Program-estimate	when there wingaton option selected)	Equipment Tier	Aprial Lifts	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
1.00			Model Default Tier	Air Compressors	0.00	2.41	1.62	0.00	0.00	0.00	275.26	0.00	0.00	276 62
1.00			Model Default Tier	All Compressors	0.24	2.41	1.63	0.08	0.08	0.00	3/5.20	0.02	0.00	376.63
			Model Default Tier	Borerbrini Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortal Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Concrete/Industrial Saws	0.00	1.77	2.50	0.00	0.00	0.00	659.91	0.00	0.00	0.00 E64 93
1.00			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.15	0.13	0.01	0.00	0.10	0.01	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Gradera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Ties	Official Street	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	4 000 05	0.00	0.00	0.00
1.00			Model Default Tier	Other Createuring Faulament	0.50	3.25	3.33	0.12	0.11	0.01	1,200.35	0.41	0.01	1,294.14
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Hondling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Privore	0.00	2.90	1.74	0.00	0.00	0.00	466.16	0.00	0.00	460.07
2.00			Model Default Tier	Pavers Device Coviernet	0.18	2.09	1.74	0.08	0.07	0.00	400.00	0.15	0.00	460.07
2.00			Model Default Tier	Paving Equipment	0.33	5.14	2.99	0.14	0.13	0.01	700.93	0.26	0.01	797.44
1.00			Model Default Tier	Prate Compactors Brossuro Washors	0.04	0.21	0.25	0.01	0.01	0.00	34.40	0.00	0.00	34.65
			Model Default Tier	Pressure washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3		Model Default Tier	Pollom	0.00	2 70	2.05	0.00	0.00	0.00	E09.20	0.00	0.00	E12 77
	2		Model Default Tier	Rough Torrain Forklifts	0.29	0.00	0.00	0.10	0.15	0.01	0.00	0.10	0.00	0.00
			Model Default Tier	Rubber Tired Dezers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Seranom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	1		Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00	1		Model Default Tier	Skid Stoor Londorn	0.00	1.29	0.00	0.00	0.00	0.00	200.57	0.00	0.00	202.72
1.00			Model Default Tier	Surfacing Equipment	0.00	0.00	0.03	0.03	0.02	0.00	200.57	0.00	0.00	202.73
1.00			Model Default Tier	Sweepers/Scrubbers	0.00	1.02	1.61	0.00	0.00	0.00	246.18	0.00	0.00	248.83
1.00	3		Model Default Tier	Tractors/Loaders/Backhoes	0.14	2.24	1.45	0.07	0.05	0.00	301 77	0.00	0.00	305.01
1.00	5		Model Default Tier	Transhors	0.00	2.24	0.00	0.07	0.00	0.00	0.00	0.10	0.00	0.00
			Model Default Tier	Woldors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Deladit Tiel	44 GIUEIS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment	If non-default vehicles are use	d please provide information in 'Non-default (Off-road Equipment' tab		ROG	co	NOx	PM10	PM2 5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles		Equipment T	ier	Type	pounds/day	nounds/day	pounds/day	nounds/day	nounds/day	pounds/day	pounds/day	nounds/day	pounds/day	pounds/day
0.00		N/A			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
								0.00	0.00			0.00		
	Paving			pounds per day	2.29	24.92	20.37	0.93	0.87	0.05	4,749.80	1.43	0.04	4.798.11
	Paving			tons per phase	0.02	0.25	0.20	0.01	0.01	0.00	47.02	0.01	0.00	47.50
Total Emissions all Phases (tons per construction period) =>					0.12	1.02	1.05	0.04	0.04	0.00	243.77	0.07	0.00	246.20

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

	User Override of	Default Values	User Override of	Default Values
Equipment	Horsepower	Horsepower	Hours/day	Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		221		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		231		8
Crawler Tractors		212		8
Crushing/Proc. Equipment		85		8
Excavators		158		8
Forklifts		89		8
Generator Sets		84		8
Graders		187		8
Off-Highway Tractors		124		8
Off-Highway Trucks		402		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		168		8
Pavers		130		8
Paving Equipment		132		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		80		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		247		8
Rubber Tired Loaders		203		8
Scrapers		367		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		263		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		97		8
Trenchers		78		8
Welders		46		8

END OF DATA ENTRY SHEET

APPENDIX C

Hazardous Waste Initial Site Assessment



HAZARDOUS WASTE

INITIAL SITE ASSESSMENT

Ashlan Avenue Widening Project City of Fresno, California

March 3, 2022

Prepared by: Haro Environmental Project 6044-2021

In conjunction with: SWCA Environmental Consultants 1422 Monterey Street, Suite C200 San Luis Obispo, California

Prepared for:

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Plate 2Site and Adjacent Land Use Map

APPENDICES

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- Appendix B Interview and Research Documentation
- Appendix C Photo Log
- Appendix D Caltrans Unknown Hazards Procedures
- Appendix E Qualifications

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EXECUTIVE SUMMARY

This Hazardous Waste Initial Site Assessment (ISA) was performed by Haro Environmental, Inc. in conjunction with SWCA Environmental Consultants (SWCA) for The City of Fresno in support of the Ashlan Avenue Widening Project (Project) in the City of Fresno, California. A site vicinity map is provided on Plate 1. The area evaluated for this ISA, defined as the "project area," includes those areas which would be disturbed during construction of the proposed project (refer to Plate 2 for identification of the approximate project area). Haro Environmental performed this ISA consistent with the California Department of Transportation (Caltrans) *Environmental Guidance Handbook, Volume 1, Chapter 10 Hazardous Materials, Hazardous Waste, and Contamination, Initial Site Assessment* (Caltrans, 2014), and the American Society for Testing and Materials (ASTM) Practice E-1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Standard). Exceptions to, or deletions from, this practice are described in this report.

The purpose of this assessment was to identify known, potential, and historic recognized environmental conditions (RECs) resulting from historical and/or current uses of hazardous substances or petroleum products at the project area. We understand SWCA has requested this ISA on behalf of the City of Fresno in support of the Project. The findings of this assessment are based on Haro Environmental's knowledge of the project area from observations and information gathered during this ISA.

The proposed improvements to Ashlan Avenue would occur along a 0.5-mile segment of road between North Polk Avenue and North Cornelia Avenue in the incorporated city of Fresno in Fresno County, California (refer to Plates 1 and 2). The surrounding area consists primarily of residential properties, small businesses, and community centers (e.g., churches).

Ashlan Avenue is classified as a minor arterial roadway. Existing conditions on Ashlan Avenue include one lane in each direction (east and west) with a striped center divide which is unpaved. There are no bike lanes and limited sidewalks along eastbound Ashlan Avenue from Dante Avenue to 150 feet east of Dante Avenue, and from Cornelia Avenue to approximately 483 feet west of Cornelia Avenue. The intersection of Ashlan Avenue and Polk Avenue is an all-way stop. Eastbound Ashlan Avenue widens to two lanes with a dedicated left-turn pocket at the intersection of Ashlan Avenue and Cornelia Avenue. Single-family homes on large lots line both sides of Ashlan Avenue along this 0.5-mile segment.

This project will widen eastbound Ashlan Avenue from one lane to two lanes to the ultimate right-of-way. The project includes construction of curbs, gutters, and sidewalks; the placement of full section paving;

grind and overlay of existing pavement; installation of new Americans with Disabilities Act (ADA)compliant curb ramps, where needed; new signing and pavement striping; adjustment of water valve lids and sewer manhole covers to finished grade; traffic street lighting and signal installation; and construction of Class II bike lanes. This project requires relocation of joint poles, fire hydrants and water meters. This widening will require right-of-way acquisition from 18 parcels.

Results of a regulatory agency database search performed by Environmental Database Resources (EDR) indicate several properties near the project area are listed in the databases searched by EDR: however, based on the nature of the listings (non-release site with no violations) in context of the Project description, these nearby listed properties would not be expected to pose an environmental concern to the project area.

A review of historical aerial photographs, topographic maps, and city directory listings indicate that Ashlan Avenue its cross streets to the east and west (North Cornelia Avenue and North Polk Avenue, respectively) were present as early as 1923. Surrounding areas were historically used for agriculture, residential properties, and commercial businesses. Residential properties surrounding the project area were constructed beginning in the 1970s. The project area was developed as it appears today by the 1990s.

A field visit of the project area was conducted by a Haro Environmental representative on November 17, 2021. During the field visit, Haro Environmental did not observe hazardous materials and/or petroleum products under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. No hazardous materials were observed at off-site, nearby properties under current conditions that would pose a significant environmental concern to the project area.

Based on the data gathered and reviewed during this ISA, Haro Environmental did not identify RECs that have impacted, or pose a significant environmental threat to the project area. The following potential environmental conditions were noted:

• Yellow traffic striping may contain leveled levels of lead and chromium.

Based on the findings of this ISA, Haro Environmental provides the following recommendations:

• Testing and removal requirements for yellow traffic striping and pavement marking materials should be performed in accordance with Caltrans Construction Policy Bulletin 99-2 (Caltrans Construction Manual Chapter 7-107E; Caltrans, 2014a). If the material contains elevated concentrations of lead and/or chromium, Caltrans SSP 14-11.12 should be followed.

- Elevated lead concentrations can accumulate in soils adjacent to main roads and highways. Haro Environmental recommends ADL testing of soils within the project area prior to the beginning of work. Procedures for handling ADL-impacted soils are defined in Caltrans SSPs 14-11.08 and 14-11.09A.
- Based on the age of the structures within the future right-of-way, an asbestos-containing material (ACM) survey and lead-based paint (LBP) survey consisting of a visual inspection, sampling, testing, and reporting should be performed to determine whether or not the building materials during demolition will require special handling and disposal. If ACM is detected, Caltrans Standard Special Provision (SSP) 14-9.02 should be followed. If LBP is detected, Caltrans SSP 11.13 should be followed.
- The power pole posts may contain chemicals uses to preserve the wood, and therefore the wood should be handled as treated wood waste (TWW) and Caltrans SSP 14-11.14 followed.
- Based on the information provided in the Geologic Atlas of California Fresno Sheet (CGS, 1965), native materials containing NOA are not expected to be encountered within the project limits. Therefore, testing for NOA is not recommended.

Haro Environmental provides the following general recommendations:

• As for all projects proposing excavation or grading, the potential exists for unknown hazardous contamination to be encountered during the project construction. Therefore, for any previously unknown hazardous waste/material encountered as part of construction of the proposed project, the procedures outlined in Appendix D (Caltrans Unknown Hazards Procedures) shall be followed (Caltrans, 2002).

Based on the information gathered and reviewed during preparation of this ISA, the potential appears low for hazardous materials to be encountered during the project, and as such, the potential impact to the overall project scope, cost, and schedule from hazardous materials is expected to be low.

1.0 INTRODUCTION

This Hazardous Waste Initial Site Assessment (ISA) was performed by Haro Environmental, Inc. in conjunction with SWCA Environmental Consultants (SWCA) for the City of Fresno in support of the Ashlan Avenue Widening Project (Project) in the City of Fresno, California. A site vicinity map is provided on Plate 1. The area evaluated for this ISA, defined as the "project area," includes those areas which would be disturbed during construction of the proposed project (refer to Plate 2 for identification of the approximate project area). Haro Environmental performed this ISA consistent with the California Department of Transportation (Caltrans) Environmental Guidance Handbook, Volume 1, Chapter 10 Hazardous Materials, Hazardous Waste, and Contamination, Initial Site Assessment (Caltrans, 2014b), and the American Society for Testing and Materials (ASTM) Practice E-1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Standard). Exceptions to, or deletions from, this practice are described in this report.

1.1 PURPOSE

This ISA was performed to identify potential hazardous materials that could be encountered during construction of the proposed project. We understand the City of Fresno has requested this ISA to meet the requirement for federal funding of the proposed project. In addition, we understand that although the project is federally funded, no land will be deeded over to Caltrans. The purpose of this assessment was to identify known, potential, and historic recognized environmental conditions (RECs) resulting from historic and/or current uses of hazardous substances or petroleum products at or near the project area.

The ASTM Standard defines a REC as:

"The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions" The ASTM Standard defines a historical REC as:

"An environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently." For example, a historical REC could be identified if a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated to the satisfaction of the lead regulatory agency as evidenced by a no further action letter or a case closure determination."

At the request of SWCA, on behalf of the City of Fresno, Haro Environmental has completed this ISA. This report is subject to the limitations presented in this ISA report. This report describes Haro Environmental's assessment methodology, presents our findings, and provides our opinion as to the potential presence of RECs in connection with the project area.

1.2 SCOPE OF SERVICES

The scope of services conducted for this study included the following tasks:

- Perform an on-site reconnaissance to identify indicators of the existence of hazardous materials or petroleum products.
- Observe adjacent or nearby properties from the project area and public thoroughfares in an attempt to see if such properties are likely to use, store, generate, or dispose of hazardous materials or petroleum products.
- Obtain and review an environmental records database search from Environmental Data Resources, Inc. (EDR) to acquire information about the potential for hazardous materials to exist on-site or at nearby properties.
- Review the current U.S. Geological Survey (USGS) topographic map to obtain information about topography and uses of the project area and nearby properties.

- Review historical aerial photographs, topographic maps, Sanborn Fire Insurance Maps, and historical city directory listings, as available, to obtain information about historical uses of the project area and adjacent properties.
- Review California Division of Oil, Gas and Geothermal Resources records to obtain information about historical oil and gas activity in the vicinity of the project area.
- Conduct interviews with persons familiar with the project area development and local and/or State government agencies, as warranted, to obtain information about current and historic uses of the property.
- Prepare this report documenting the findings of the ISA.

The scope of services did not include any inquiries with respect to non-scope ASTM considerations including, but not limited to, mold, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, electromagnetic fields or geologic hazards.

2.0 PROJECT INFORMATION

A description of the prosed project setting is presented in this section and describes the condition of the project area at the time of the ISA. Tables 2-1 and 2-2 summarize the physical characteristics of the project area and adjoining properties. A Site and Adjacent Land Use Map is provided on Plate 2.

2.1 PROJECT DESCRIPTION

The proposed improvements to Ashlan Avenue would occur along a 0.5-mile segment of road between North Polk Avenue and North Cornelia Avenue in the incorporated city of Fresno in Fresno County, California (refer to Plates 1 and 2). The surrounding area consists primarily of residential properties, small businesses, and community centers (e.g., churches).

Ashlan Avenue is classified as a minor arterial roadway. Existing conditions on Ashlan Avenue include one lane in each direction (east and west) with a striped center divide which is unpaved. There are no bike lanes and limited sidewalks along eastbound Ashlan Avenue from Dante Avenue to 150 feet east of Dante Avenue, and from Cornelia Avenue to approximately 483 feet west of Cornelia Avenue. The intersection of Ashlan Avenue and Polk Avenue is an all-way stop. Eastbound Ashlan Avenue widens to two lanes with a dedicated left-turn pocket at the intersection of Ashlan Avenue and Cornelia Avenue. Single-family homes on large lots line both sides of Ashlan Avenue along this 0.5-mile segment.

This project will widen eastbound Ashlan Avenue from one lane to two lanes to the ultimate right-of-way. The project includes construction of curbs, gutters, and sidewalks; the placement of full section paving; grind and overlay of existing pavement; installation of new Americans with Disabilities Act (ADA)-compliant curb ramps, where needed; new signing and pavement striping; adjustment of water valve lids and sewer manhole covers to finished grade; traffic street lighting and signal installation; and construction of Class II bike lanes. This project requires relocation of joint poles, fire hydrants and water meters. This widening will require right-of-way acquisition from 18 parcels.

2.2 PROJECT AREA DESCRIPTION

Table 2-1 provides a summary of the physical location and size of the project area, as well as the current and proposed land uses. This information was obtained from review of various maps (such as topographic maps and tax assessor maps) and aerial photographs. Additional site description information was obtained during the site visit. Please refer to the Section 5.0 for site reconnaissance information.

TABLE 2-1PROJECT AREA LOCATION AND LAND USE

Parameter	Information/Comments
Location	The approximate area of potential effects (APE) is shown on Plate 2.
	The Project is located along Ashlan Avenue, east of N. Polk Avenue
	and west of N. Cornelia Avenue.
Section, Township, and Range	Section 22, Township 13 South, Range 19 East of the Mount Diablo
	Base and Meridian.
Current Use	Ashlan Avenue and residential

2.3 REGIONAL GEOLOGY AND HYDROGEOLOGY

Information on regional geology and hydrogeology is presented in Table 2-2. This information was obtained from published data and maps of the project area vicinity.

Geologic/Hydrogeologic Parameter	Information/Comments		
Project Area Topography	Based on a review of the USGS Herndon, California 7.5-Minute Topographic Quadrangle Map dated 2018, elevation at the project area is approximately 290 feet above MSL. The project area has a gentle slope to the southwest.		
Project Area Geology and Soil Types	The project area is located within the Great Valley Geomorphic Province in California (CGS, 2002). The Great Valley is an alluvial plain, extending approximately 50 miles wide by 400 miles long. The northern part is identified as the Sacramento Valley (drained by the Sacramento River) and the southern part is identified as the San Joaquin Valley (drained by the San Joaquin River). The Great Valley is a trough in which sediments have been deposited almost continuously since the Jurassic period (about 160 million years ago). The Great Valley is bound by the Klamath Mountains to the north, the Sierra Nevada to the east, the Coast Ranges to the west, and the Tehachapi Mountains to the south. According to the Geologic Atlas of California – Fresno Sheet (CGS, 1965), geologic deposits beneath the site consist of alluvial fan deposits.		

 TABLE 2-2

 PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS

 TABLE 2-2

 PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS

Geologic/Hydrogeologic Parameter	Information/Comments		
	Based on information provided in the Geo-Check® section of the EDR report (Appendix A), soils at the project area are dominated by the San Joaquin sandy loam series. These soils are moderately deep to deep and are moderately well-drained, and have sandy loam surface textures and very slow infiltration rates.		
Project Area Hydrogeologic Setting	According to California's Bulletin 118, the project area is located within the Salinas Valley – Fresno Area subbasin. Groundwater beneath the Site is found in Holocene-aged, mostly unconsolidated alluvial deposits and the Pleistocene-aged Fresno Formation (DWR, 2003).		
	According to the GeoCheck® section of the EDR report (Appendix A), There are no groundwater wells located within or adjacent to the project area. The nearest well is mapped 538 feet south of the project area. In addition, no groundwater wells were observed within or adjacent to the project area during the site reconnaissance. Information provided by the City of Fresno indicates there is one groundwater well approximately 588 feet east of N. Polk Avenue on the south side of Ashlan Avenue associated with a private residence, and that this well will need to be abandoned prior to construction of the project.		

2.4 ADJOINING AREA LAND USE

A drive-by survey of the land adjoining the project area was performed by Haro Environmental personnel on November 17, 2021. The results of this survey indicate residential land uses are present in the vicinity of the project area with a church near the southeast portion. The project area and adjoining land uses are depicted on Plate 2.

2.5 LOCATION AND LEGAL DESCRIPTIONS

The project area is a rectangle-shaped area including portions of Ashlan, N. Polk, and N. Cornelia Avenues and the residential areas to the south.

2.6 USER PROVIDED INFORMATION

The Fresno Public Works Department (PWD) was contacted to inquire about knowledge relating to potential environmental concerns associated with the Site. PWD provided a copy of an environmental questionnaire indicating they do not have any information related to hazardous materials or petroleum products at the

Project not already disclosed in previous technical studies. A copy of the environmental questionnaire is provided in Appendix B.

2.7 ENVIRONMENTAL LIENS

No environmental lien search was conducted by the user or preparer of this ISA report.

3.0 RECORDS REVIEW

Government agency database records are sources of information that may be helpful in evaluating activities that may have contributed to a release of hazardous substances or petroleum products to soil and/or groundwater. Haro Environmental contracted a government agency database search from EDR. A copy of the EDR report, which specifies the approximate minimum search distance for each public list as defined in the ASTM Standard, is included as Appendix A. Properties that (1) were identified within the approximate minimum search distance from the project area as stated in the ASTM Standard; and (2) are listed in databases indicating a release or underground storage tank site, and which based on distance and topography could potentially impact the project area, are listed in Table 3-1, EDR Listing Summary of Selected Properties (see Appendix A for a complete listing of properties reported and acronyms used by EDR).

Several properties were listed in the following databases searched by EDR: Certified Unified Program Agency (CUPA) Listings, Hazardous Waste Tracking System (HWTS), CERS Hazardous Waste (CERS HAZ WASTE), Hazardous Waste Manifests Database (HAZNET), Resource Conservation and Recovery Act Non-Generator / No Longer Regulated (RCRA NON-GEN / NLR), Statewide Environmental Evaluation and Planning System (SWEEPS UST), Historical Registered Underground Storage Tank (HIST UST), and the California Facility Inventory Database for USTs (CA FID UST).

		Distance/Direction	
Site Name	Site Address	from Subject Site	Database Reference
Walgreens #11877	4771 West Ashlan	100 feet Southeast	CUPA LISTINGS, HWTS,
	Avenue		CERS HAZ WASTE,
			HAZNET, RCRA NONGEN /
			NLR
Patricia Arzate	5612 West Ashlan	725 feet	RCRA NONGEN / NLR
	Avenue	East/northeast	
Fresno Fire Station #16	4160 North Brix	850 feet North	SWEEPS UST, HIST UST, CA
	Avenue		FID UST, CUPA LISTINGS
Ernesto Solorio Pulido	5392 West Swift	850 feet North	RCRA NONGEN/NLR
DBA Solorio Transport	Avenue		
Michael A. Rodrigues	4737 West Swift	900 feet Northeast	RCRA NONGEN/NLR
_	Avenue		
Former Central USD	3745 North Cornelia	1,770 feet South	CUPA Listings
	Avenue		

TABLE 3-1EDR LISTING SUMMARY OF SELECTED PROPERTIES

3.1 RESULTS OF DATABASE SEARCH

The following sections contain information on the results of the government records search conducted by EDR. Opinions presented below are based on information provided in the EDR report (unless otherwise noted) and on criteria such as distance from the project area, anticipated groundwater movement and direction in the vicinity of the project area, and the nature of any reported unauthorized releases. In assessing the potential impact to soil, soil vapor, and/or groundwater beneath the project area, the shallowest groundwater was considered to be at an estimated depth of 90 to 110 feet bgs based on groundwater data collected approximately ³/₄-mile east of the project area, with an anticipated groundwater movement direction assumed to be south.

3.1.1 **Project Vicinity**

Several properties within the project vicinity were listed in the databases searched by EDR and are discussed below.

Walgreens #11877 - 4771 West Ashlan Avenue

Walgreens #11877 was listed in the CUPA Fresno, CERS HAZ WASTE, HAZNET, HWTS, and RCRA NONGEN / NLR databases. The CUPA Fresno and CERS HAZ WASTE databases identify this site as a hazardous waste generator. The HAZNET and HWTS database listings appeared from the years 2010 to 2019 and pertain to storage, bulking, and transfer of the following waste categories: organics; inorganic solid waste; pharmaceutical waste; unspecified solvent mixture; alkaline solution; aqueous solution containing reactive ions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate and sulfide ions); and pesticides. The RCRA NONGEN / NLR database dated 2021, listed this site as no longer regulated (previously designated as a small-quantity generator of hazardous waste). The RCRA NONGEN / NLR database also provided links to biennial reports on the U.S. EPA Envirofacts website for the years 2013 through 2019. No reports of releases or violations were noted in the database information provided by EDR.

Patricia Arzate - 5612 West Ashlan Avenue

This facility was listed in the RCRA NONGEN / NLR database. No reports of releases or violations were noted in the database information provided by EDR.

Fresno Fire Station #16 - 4160 North Brix Avenue

This facility was listed in the SWEEPS UST, HIST UST, CA FID UST, and CUPA LISTINGS databases. According to the SWEEPS UST database, one 550-gallon diesel UST was located at this site.

The HIST UST database for this site provided a link to a pdf from Geotracker, which added that installation date for this UST was 1983. The CA FID UST database listed the status of the UST as active. The CUPA Fresno database listed two separate Program Elements for this site including UST removal/Closure with 1 tank, and Haz mat disclosure/Closed site. Haro Environmental reviewed files on the County of Fresno Department of Public Health Environmental Health Document Portal and found reports and records for the removal of this 550-gallon UST in October 2001, as well as the No Further Action (NFA) letter dated November 7, 2001 for this UST case. The files are discussed further in Section 3.2.1 Public Agency Records.

Ernesto Solorio Pulido DBA Solorio Transport - 5392 West Swift Avenue

This facility was listed in the RCRA NONGEN / NLR database. No reports of releases or violations were noted in the database information provided by EDR.

Michael A. Rodrigues - 4737 West Swift Avenue

This facility was listed in the RCRA NONGEN / NLR, FINDS and ECHO databases. No releases or violations were reported in the RCRA NONGEN / NLR and FINDS databases. In addition, the ECHO database provided a 3-year RCRA compliance history by quarter for 2019 through 2021 and identified no violations.

Former Central USD – 3745 North Cornelia Avenue

This facility was listed in the CUPA Fresno database. The database listed a Program Element for this site as Miscellaneous site assessment. No additional information was provided in this listing. Based on the distance of this facility (nearly ¼-mile) as well as its down-gradient location in relation to the project area, a potential release would not be expected to impact the project.

The potential for these listed properties to impact the overall Project cost, scope and schedule is low.

3.1.2 EDR Orphan List

Sites that have poor or inadequate address information are not plotted by EDR and are referred to as orphan sites. The orphan summary/unmapped sites report was reviewed by Haro Environmental to assess the potential for off-site properties to affect the project area. Because they have incomplete addresses, these orphan sites are not practicably reviewable as defined by the ASTM standard. One unmapped orphan site was listed in the EDR Report. However, based upon the street name, location reported, and Haro Environmental's knowledge of the area, the orphan/unmapped site does not have the potential to impact the project area.

3.1.3 Non-ASTM Issues

Assessment of non-ASTM issues including, but not limited to, mold, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, electromagnetic fields or geologic hazards was not included as part of this ISA.

According to information provided in the EDR Report, the project area is not located within a 100-year flood zone.

Concrete used to construct the medians may contain asbestos.

Yellow and white thermoplastic traffic striping may contain lead and chromium.

3.2 OTHER RECORDS REVIEWED

3.2.1 Public Agency Records

The National Pipeline Mapping System maintained by the Pipeline and Hazardous Materials Safety Administration was reviewed for the presence of gas and hazardous liquid transmission pipelines, and the results indicate there is an active Southern California Gas Co. natural gas pipeline which runs parallel to Ashlan Avenue, within or adjacent to the project area (PHMSA, 2021).

The County of Fresno Department of Public Health Environmental Health Document Portal was also reviewed. No files were found for the project area. Several files were available for Fire Station #16 located approximately 1/8-mile north of the project area at 4160 North Brix Avenue. The following permits and documents were found in the file:

- 2/3/89 One 550 gallon diesel UST precision test
- 3/21/90 One 550 gallon diesel UST precision test
- 3/18/91 One 550 gallon diesel UST precision test
- 8/23/91 UST permit
- 5/14/92 One 550 gallon diesel UST precision test
- 12/17/92 Permit application for one 550-gallon diesel UST
- 12/17/92 Business Plan application form for site with one 550-gallon diesel UST

- 10/28/93 Precision test results for one 550-gallon diesel UST for the years 1989 through 1993
- 10/29/93 Underground Storage Tank Testing Permit Application for one 550-gallon diesel UST
- 10/29/93 Underground Storage Tank precision test field data form for one 550-gallon diesel UST
- 9/19/94 Official Inspection Report prepared by Fresno County Department of Health Environmental Health System. Violations noted during the inspection included missing operating permit, inventory reconciliation or tank gauging annual summary reports were not being submitted, and the wrong method of tank gauging was being used.
- 9/29/94 Permit to Operate an Underground Storage Tank for one 550-gallon diesel UST
- 12/1/94 State of California Water Resources Control Board Underground Storage Tank Permit Application for one 550-gallon diesel UST
- 3/25/97 Underground Storage Tank Upgrade Requirements letter
- 6/13/97 Annual Inventory Reconciliation Summary Report for one 550-gallon diesel UST for the year 1996
- 7/7/97 Official Inspection Report prepared by Fresno County Department of Health Environmental Health System. Violations noted during the inspection included insufficient frequency of dipstick reading, as well as tank and line test and reporting past due.
- 7/23/97 UST Monitoring/Emergency Response Plan for one 550-gallon diesel UST
- 1/29/98 Annual Inventory Reconciliation Summary Report for one 550-gallon diesel UST for the year 1997
- 6/1/98 Letter from the County of Fresno Health Services Agency stating that several Fire Stations in the County will upgrade their USTs. Fire Station #16 was instead scheduled to abandon rather than upgrade the onsite UST.
- 11/19/98-12/14/99 Letters regarding the temporary closure of Fresno Fire Station USTs (including the UST at Station #16). Temporary closure procedures included removal of fuel, triple rinsing of USTs, removing the rinse solution, locking the access caps, disconnecting electricity to the pumps, forbidding further use of the tanks, and inspection by the Fresno County Environmental Health Department.
- 7/26/01 Underground Storage Tank Removal Permit Application for one 550-gallon diesel UST
- 8/28/01 Underground Storage Tank Abandonment Inspection for 550-gallon UST
- 9/11/01 Underground Storage Tanks Facility Unified Program Consolidation Form for 550gallon UST removal
- 10/25/01 According to the UST removal report for one 550-gallon UST and associated lines, dispenser, residual product and rinsate fluids were disposed of on August 28, 2001. No stained soil was observed in the vicinity of the UST and one sample was collected from beneath the excavation. The sample was analyzed for diesel-range total petroleum hydrocarbons (TPH);

gasoline-range TPH; benzene, toluene, ethybenzene and xylenes (BTEX); methyl tertiary butyl ether (MTBE); and total recoverable hydrocarbons as petroleum oil (TRPH). All results indicated contaminant levels at or below laboratory method detection limits.

- 11/7/01 No Further Action (NFA) for this UST removal case was issued by the County of Fresno Department of Community Health
- The file for this property also contained correspondence related to obtaining UST removal permits for properties within and owned by the City of Fresno, but did not identify the Fire Station #16 property or give any other specific addresses.

The UST removal report and NFA letter are included in Appendix A.

The following additional public agencies were contacted regarding files for the project area and indicated no files are available:

- Central Valley Regional Water Quality Control Board (GeoTracker website)
- California Department of Toxic Substances Control (EnviroStor website)
- San Joaquin Valley Air Pollution Control District (SJVAPCD)

3.2.2 Previous Environmental Reports

No previous environmental reports were reviewed for the project area.

4.0 PROJECT AREA HISTORY

The history of the project area was researched to identify obvious uses of the project area as early as the first developed use, or at least 40 years ago, whichever is earlier or readily available. Several data gaps since 1940 of greater than 5 years were identified in the historical records reviewed and include the years from 1923 to 1937, from 1950 to 1957, and from 1967 to 1973. These data gaps are considered insignificant because the project area use appears to be similar during these periods.

4.1 AERIAL PHOTOGRAPHS

A review of historical aerial photography may indicate past activities at a property that may not be documented by other means, or observed during a site visit. The effectiveness of this technique depends on the scale and quality of the photographs and the available coverage. Aerial photographs were obtained from several historical photograph collections through EDR. A tabulation of the aerial photographs reviewed is presented in Table 4-1.

Date	Approximate Scale	Source
1937	1'' = 500'	USDA
1942	1'' = 500'	USDA
1946	1'' = 500'	USGS
1950	1'' = 500'	USDA
1957	1'' = 500'	USDA
1962	1'' = 500'	USGS
1967	1'' = 500'	USDA
1973	1'' = 500'	USDA
1979	1'' = 500'	USDA
1984	1'' = 500'	USDA
1987	1'' = 500'	USDA
1998	1'' = 500'	USGS/DOQQ
2006	1'' = 500'	USDA/NAIP
2009	1''= 500'	USDA/NAIP
2012	1'' = 500'	USDA/NAIP
2016	1''= 500'	USDA/NAIP

 TABLE 4-1

 HISTORICAL AERIAL PHOTOGRAPHS REVIEWED

Note: Aerial photographs only provide information on indications of land use and no conclusions regarding the release of hazardous substances or petroleum products can be drawn from the review of photographs alone.

Copies of the reviewed aerial photographs are included in Appendix A. The following is a summary of our review of these photographs.

- **1937** Present-day Ashlan Avenue appears at the project area. North Cornelia Avenue and North Polk Avenue appear to run perpendicular (north to south) at the east and west ends of the project area, respectively. Surrounding properties appear to be in agricultural land use and residential or light commercial developments with associated dirt roads that intersect the project area, with the exception of a large vacant parcel to the northeast of the project area. The Teague School Canal is visible about 650-west of the project area in a northeast-southwest direction.
- 1942 The project area and surrounding properties appear similar to the 1937 aerial photograph.
- **1946** The project area and surrounding properties appear similar to the 1942 aerial photograph with the exception that the parcel to the northeast of the project area appears occupied by a possible agricultural development with several greenhouses.
- **1950** The project area and surrounding properties appear similar to the 1946 aerial photograph.
- 1957 The project area and surrounding properties appear similar to the 1950 aerial photograph.
- **1962** The quality of the photo is low, but the project area and surrounding properties appear similar to the 1957 aerial photograph, with the exception that increased agricultural and residential buildings are seen on the properties to the south of the project area.
- **1967** The project area and surrounding properties appear similar to the 1962 aerial photograph, with the exception that the number of residential buildings on the properties to the south of the project area continues to increase.
- **1973** The project area and surrounding properties appear similar to the 1967 aerial photograph, with the exception that portions of the agricultural fields to the north of the project area have been graded and residential buildings can now be seen in these areas.
- **1979** The project vicinity appears to be converting to primarily residential and only a few agricultural fields abut the project area in this aerial photograph. The large, formerly agricultural

development located to the northeast of the project area has been graded for redevelopment and roadways have been delineated.

- 1984 The project area and surrounding properties appear similar to the 1979 aerial photograph, with the exception that a parcel to the north of the western portion of the project area has been graded and partially developed with a reservoir. Some of the properties to the north and northeast of those that abut the north side of the project area are occupied by neighborhoods.
- **1987** The project area and surrounding properties appear similar to the 1984 aerial photograph with the exception that a former agricultural field to the south of the eastern portion of the project area has been redeveloped with residences and North Dante Avenue, which runs perpendicular to the project area from north to south. In addition, the reservoir to the north of the project area has been expanded, and North Ellendale Avenue is now visible to the north of Ashlan Avenue, running north to south.
- 1998 The project area and surrounding properties appear similar to the 1987 aerial photograph with the exception that the size of the reservoir to the north of the project area continues to increase, and the property to the south of the far east end of the project area (southwest corner of North Cornelia Avenue and Ashlan Avenue) is developed with a large commercial building. Residential development also continues to increase in the general vicinity.
- 2006 The project area and surrounding properties appear similar to the 1998 aerial photograph.
- **2009** The project area and surrounding properties appear similar to the 2006 aerial photograph with the exception that the area to the southeast of the project area (southeast corner of North Cornelia Avenue and Ashlan Avenue) appears developed with a commercial building.
- 2012 The project area and surrounding properties appear similar to the 2009 aerial photograph.
- 2016 The project area and surrounding properties appear similar to the 2012 aerial photograph.

4.2 HISTORICAL TOPOGRAPHIC MAPS

Haro Environmental reviewed historical topographic maps of the project area vicinity. The topographic maps reviewed for this assessment are listed below in Table 4-2.

Year	Quadrangle	Series	Scale
1923	Herndon, Bullard	7.5-minute	1:31,680
1946	Herndon, Fresno North	7.5-minute	1:24,000
1947	Herndon, Fresno North	7.5-minute	1:24,000
1964 and 1965 (aerial photo revised 1962)	Herndon, Fresno North	7.5-minute	1:24,000
1965	Herndon	15-minute	1:62,500
1978 and 1981 (aerial photo revised 1962 and 1978)	Herndon, Fresno North	7.5-minute	1:24,000
2012	Herndon, Fresno North	7.5-minute	1:24,000

 TABLE 4-2

 HISTORICAL TOPOGRAPHIC MAPS REVIEWED

The following is a summary of our review of the maps.

- 1923 Present-day Ashlan Avenue, North Cornelia Avenue and North Polk Avenue are depicted along with a dirt road running north to south to the north of the central portion of the project area. Structures are found intermittently in the vicinity of the project area. A railroad is depicted approximately ¹/₂-mile north of the project area, and a canal is depicted approximately 650-feet to the west of the project area.
- 1946 The project area and surrounding properties are depicted similar to the 1923 topographic map with the exception that green shading has been added to show the locations of agricultural fields on two properties to the north and two to the south of the project area, as well as on multiple parcels in the vicinity. The railroad to the north of the project area is labeled Southern Pacific Railroad.
- **1947** The project area and surrounding properties are depicted similar to the 1946 topographic map.
- 1964 The project area and surrounding properties are depicted similar to the 1947 topographic map with the exception that the green shaded areas representing agricultural fields have been replaced by rows of circles, resembling row crops. Several additional buildings (likely residences) to the north and south of the project area are depicted and two long rectangular

structures (likely greenhouses) are depicted to the northeast of the project area. In addition, the canal to the west of the project area is now labeled Teague School Canal.

- **1965** The project area and surrounding properties are depicted similar to the 1964 topographic map.
- **1978** The project area and surrounding properties are depicted similar to the 1965 topographic map.
- 2012 –Individual building and row crop depictions have been removed and the map appears simplified. The project area appears similar to the 1979 topographic map with the exception of one road that intersects the north side of Ashlan Avenue and one that intersects the south side. Southern Pacific Railroad is no longer depicted on the topographic map.

4.3 SANBORN® FIRE INSURANCE MAPS

Sanborn® Fire Insurance Maps provide historical land use information in some metropolitan areas and small, established towns. No coverage was available for the project area and a copy of the no coverage letter is included in Appendix A.

4.4 CITY DIRECTORIES

Haro Environmental contacted EDR to obtain a historical City Directory Abstract, which lists the names and/or businesses that historically occupied an address. The City Directory Abstract, which covers the period from 1986 to 2017, provides tenant information for an address and/or adjoining streets. Information provided in the City Directories Abstract does not provide any additional information related to potential RECs associated with the project area. The complete EDR City Directory Abstract listing results is provided in Appendix A.

4.5 OIL AND GAS MAPS

Maps provided by the California Department of Conservation, Geologic Energy Management Division's (CalGEM) online well finder mapping system were reviewed to determine the current and historical presence of oil and gas wells in the vicinity of the project area (CalGEM, 2021). The maps indicated there are no oil or gas wells located within a one-quarter-mile radius of the project area.

4.6 CHAIN OF TITLE RECORDS

Haro Environmental was not provided and therefore did not review a 50-Year Chain of Title Report for the project area.

5.1 SITE RECONNAISSANCE

Haro Environmental's assessment activities included a site reconnaissance. This section summarizes the findings from the site reconnaissance.

5.1.1 Methodology and Limiting Conditions

Haro Environmental performed a reconnaissance of the project area on November 17, 2021. The project area reconnaissance was conducted by observing the project area and adjacent properties from public thoroughfares. The purpose of the site reconnaissance was to identify the presence or likely presence of hazardous substances or petroleum products under conditions that indicate an existing release, a past release, or threat of release into soil, groundwater, or surface water at the project area (RECs). Observations from the site reconnaissance are summarized in the following sections. A photo log of photographs taken during the site reconnaissance is provided in Appendix C.

5.1.2 Current Use of the Property and Adjoining Properties

The project area is currently developed as Ashlan Avenue and including portions of residential properties that will be part of the future right-of-way. Residential land uses surround the Site with a church present near the eastern portion of the project area. Project area and adjoining land uses are depicted on Plate 2.

5.1.3 General Description of Structure

There appear to be no structures within the project area with the exception of residential structures within the future right-of-way.

5.1.4 Interior and Exterior Observations

Interior observations were not performed at part of this Hazardous Waste ISA. No RECs were observed at the exterior portions of the residential structures.

5.1.5 Hazardous Substances and Petroleum Products

No hazardous substances or petroleum products were observed at the project area.

5.1.6 Unidentified Substance Containers

Unidentified hazardous substance containers or unidentified containers that might contain hazardous substances were not observed within the project area during the site reconnaissance.

5.1.7 Storage Tanks

During the site reconnaissance, Haro Environmental did not observe evidence of underground storage tanks (USTs) or above ground storage tanks (ASTs) at the project area.

5.1.8 Odors

During the site reconnaissance, Haro Environmental did not identify any strong, pungent, or noxious odors.

5.1.9 **Pools of Liquid**

During the site reconnaissance Haro Environmental did not identify any pools of liquid or standing surface water. In addition, sumps containing liquids such as hazardous substances or spent petroleum products were not observed.

5.1.10 Drums

During the site reconnaissance, Haro Environmental did not observe drums at the project area.

5.1.11 Indications of Polychlorinated Biphenyls (PCBs)

During the site reconnaissance, Haro Environmental did not observe evidence of PCBs onsite. Multiple pole-mounted electrical transformers were observed at several locations within and adjacent to the project area. However, no staining of the soil beneath the transformers was observed.

5.1.12 Naturally Occurring Asbestos

Naturally Occurring Asbestos (NOA) can occur in serpentine. The most common forms of NOA minerals are chrysotile, actinolite, and tremolite. Outcrops of Serpentine and other Ultra basic rocks have been mapped as occurring in various portions of the Coast Ranges in western San Luis Obispo County.

A review of the Geologic Atlas of California – Fresno Sheet (CGS, 1965), geologic deposits beneath the site consist of alluvial fan deposits. Surface rock outcrops were not noted on the geologic map and not observed within the project area during the site reconnaissance. Based on the information provided, native materials containing NOA are not expected to be encountered within the project limits. Neither our visual site reconnaissance, nor the information provided in the Geologic Map of California – Fresno Sheet was able to ascertain if the existing road base materials, placed for roadway construction, incorporate materials that contain NOA.

5.1.13 Other Conditions of Concern

During the site reconnaissance, Haro Environmental did not note any of the following:

- Corrosion
- Clarifiers, and/or sumps
- Stressed vegetation
- Waste water
- Ponds
- Septic tanks
- Storm water drains

The treated wood posts within the project area may contain elevated concentrations of preservative chemicals.

5.2 INTERVIEWS

The Fresno PWD was contacted to inquire about knowledge relating to potential environmental concerns associated with the Site. PWD provided a copy of an environmental questionnaire indicating they do not

have any information related to hazardous materials or petroleum products at the Project not already disclosed in previous technical studies. A copy of the environmental questionnaire is provided in Appendix B.

6.0 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

This Hazardous Waste ISA was performed by Haro Environmental, Inc. in conjunction with SWCA for The City of Fresno in support of the Ashlan Avenue Widening Project in the City of Fresno, California. The area evaluated for this ISA, defined as the "project area," includes those areas, which will be disturbed during construction of the proposed project. Haro Environmental performed this ISA consistent with the Caltrans Environmental Guidance Handbook, Volume 1, Chapter 10 Hazardous Materials, Hazardous Waste, and Contamination, Initial Site Assessment (Caltrans, 2014b), and the ASTM Practice E-1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Exceptions to, or deletions from, this practice are described in this report.

Based on the data gathered and reviewed during this ISA, Haro Environmental did not identify RECs that have impacted, or pose a significant environmental threat to the project area. The following potential environmental conditions were noted:

• Yellow traffic striping may contain leveled levels of lead and chromium.

Based on the findings of this ISA, Haro Environmental provides the following recommendations:

- Elevated lead concentrations can accumulate in soils adjacent to main roads and highways. Haro Environmental recommends ADL testing of soils within the project area prior to the beginning of work. Procedures for handling ADL-impacted soils are defined in Caltrans SSPs 14-11.08 and 14-11.09A.
- Based on the age of the structures within the future right-of-way, an asbestos-containing material (ACM) survey and lead-based paint survey consisting of a visual inspection, sampling, testing, and reporting should be performed to determine whether or not the building materials during demolition will require special handling and disposal. If ACM is detected, Caltrans Standard Special Provision (SSP) 14-9.02 should be followed. If elevated concentrations of metals are detected, Caltrans SSP 11.13 should be followed.
- The power pole posts may contain chemicals uses to preserve the wood, and therefore the wood should be handled as treated wood waste (TWW) and Caltrans SSP 14-11.14 followed.
- Testing and removal requirements for yellow traffic striping and pavement marking materials should be performed in accordance with Caltrans Construction Policy Bulletin 99-2 (Caltrans
Construction Manual Chapter 7-107E; Caltrans, 2014a). If the material contains elevated concentrations of lead and/or chromium, Caltrans SSP 14-11.12 should be followed.

• Based on the information provided in the Geologic Atlas of California – Fresno Sheet (CGS, 1965), native materials containing NOA are not expected to be encountered within the project limits. Therefore, testing for NOA is not recommended.

Haro Environmental provides the following general recommendations:

• As for all projects proposing excavation or grading, the potential exists for unknown hazardous contamination to be encountered during the project construction. Therefore, for any previously unknown hazardous waste/material encountered as part of construction of the proposed project, the procedures outlined in Appendix D (Caltrans Unknown Hazards Procedures) shall be followed (Caltrans, 2002).

Based on the information gathered and reviewed during preparation of this ISA, the potential appears low for hazardous materials to be encountered during the project, and as such, the potential impact to the overall project scope, cost, and schedule from hazardous materials is expected to be low.

7.0 STANDARD OF CARE

The findings and conclusions contained in this ISA are based upon professional opinions with regard to the subject matter. These conclusions have been made in accordance with currently accepted industry standards and practices applicable to this location and are subject to the following inherent limitations:

Accuracy of Information. Certain information utilized by Haro Environmental in this assessment has been obtained, reviewed, and evaluated from various sources believed to be reliable. Although Haro Environmental's conclusions, opinions, and recommendations are based, in part, on such information, Haro Environmental's services did not include the verification of the information's accuracy or authenticity. Should such information prove to be inaccurate or unreliable, Haro Environmental reserves the right to amend or revise its conclusions, opinions and/or recommendations.

Reconnaissance. Haro Environmental performed a reconnaissance of the project area that is the subject of this assessment to document current conditions. No known areas were inaccessible at the time of our reconnaissance with the exception of the interiors of the residential areas that will require demolition.

Limitations. Haro Environmental does not guarantee that the project area is free of hazardous or potentially hazardous materials or conditions, or that latent or undiscovered conditions will not become evident in the future. This assessment has been prepared in accordance with currently accepted industry standards, and no other warranties, representations, or certifications are made. Unless stated otherwise herein, this report is intended for and restricted to the sole use by SWCA and the City of Fresno. Any other use, interpretation, or reliance upon this assessment is at the sole risk of the user, and Haro Environmental shall have no liability for such unauthorized use, interpretation, or reliance.

Qualifications of Environmental Professionals. Mr. Elliot Haro representing Haro Environmental performed this Phase I ESA. Mr. Haro is an environmental consultant who has performed over 100 ESAs for a variety of clients. Mr. Timothy Nelligan reviewed this report. Mr. Nelligan is a California State Licensed Professional Engineer with over 15 years of site assessment experience. Messrs. Haro's and Nelligan's resumes are provided in Appendix E.

Reliance. This ISA report has been prepared for the exclusive use and reliance by SWCA and the City of Fresno. Use or reliance by any other party is prohibited without the written authorization of SWCA, The City of Fresno and Haro Environmental.

Scope Limitations and ASTM Exceptions. This ISA did not include any inquiries with respect to nonscope ASTM considerations including, but not limited to, radon gas, lead in drinking water, mold, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality or electromagnetic fields, subsurface or other invasive assessments, business environmental risk evaluations or other services not particularly identified and discussed herein.

Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested may not be received by the issuance date of the report. In the event information obtained from sources mentioned previously alters the findings stated in this report, an addendum letter will be forwarded to SWCA and The City of Fresno under separate cover providing Haro Environmental's findings and conclusions. Additional ISA limitations include:

- Several data gaps since 1940 of greater than 5 years were identified in the historical records reviewed and include the years from 1949 to 1956, from 1961 to 1976, from 1981 to 1994, and from 1994 to 2006. These data gaps are considered insignificant because the project area use appears to be similar during these periods.
- No owner interviews. These data gaps are considered insignificant because the Site history is well documented through other sources of information and the private residences are not expected to pose a significant environmental concern to the project area.
- An environmental lien search was not performed by the user or preparer of this Phase I ESA. This data gap is considered insignificant because the Site history is well documented through other sources of information.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the current utilization of the project area, information derived from the most recent reconnaissance, and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

Certification. I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312. I have the specific qualifications

based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

8.0 REFERNCES

- California Department of Conservation, California Geological Survey (CGS). 2002. California Geomorphic Provinces Note 36.
- CGS. 1965. Geologic Atlas of California Fresno Sheet.
- California Department of Conservation, Geologic Energy Management Division (CalGEM). 2021. <u>https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx</u>.
- Caltrans. 2002. Construction Manual, Environmental Rules and Requirements, Table 7-1.1, Unknown Hazardous Procedures, August, 2002.
- Caltrans. 2014a. Construction Manual, updated September 2014.
- Caltrans. 2014b. Environmental Guidance Handbook, Volume 1, Chapter 10 Hazardous Materials, Hazardous Waste, and Contamination, updated November 12, 2014.

California Department of Water Resources (DWR). 2003. California's Groundwater Bulletin No. 118.

- Environmental Data Resources (EDR). November 16, 2021. EDR Historical Topographic Map Report, Ashlan Avenue Widening Project, Ashlan Avenue, Fresno, CA 93722.
- EDR. November 16, 2021. The EDR Aerial Photo Decade Package, Ashlan Avenue Widening Project, Ashlan Avenue, Fresno, CA 93722.
- EDR. November 16, 2021. The EDR Sanborn® Map Report, Ashlan Avenue Widening Project, Ashlan Avenue, Fresno, CA 93722.
- EDR. November 16, 2021. The EDR-City Directory Image Report, Ashlan Avenue Widening Project, Ashlan Avenue, Fresno, CA 93722.
- EDR. November 16, 2021. The EDR Radius Map with GeoCheck®, Ashlan Avenue Widening Project, Ashlan Avenue, Fresno, CA 93722.

- Fresno County Department of Public Health.January 2022.Fresno County Citizen Portal ServingEnvironmentalHealthandPublicWorks.https://permitportal.fresnocountyca.gov/citizenportal/app/landing.
- Pipeline and Hazardous Materials Safety Administration (PHMSA). 2021. National Pipeline Mapping System website: <u>https://www.npms.phmsa.dot.gov/PublicViewer/</u>

PLATES





APPENDIX A

REGULATORY RECORDS DOCUMENTATION

Ashlan Avenue Widening Project Ashlan Avenue Fresno, CA 93722

Inquiry Number: 6751467.3 November 16, 2021

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

Certified Sanborn® Map Report Site Name: Client Name: Ashlan Avenue Widening Proje Haro Environmental, Inc. PO Box 7002 Ashlan Avenue

Los Osos. CA 93412

Contact: Elliot Haro



11/16/21

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Haro Environmental. Inc. 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 Sanbo	rn Results:	
Certification #	981C-44C0-BA9A	
PO #	NA	
Project	NA	

UNMAPPED PROPERTY

Fresno, CA 93722

EDR Inquiry # 6751467.3

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results Certification #: 981C-44C0-BA9A

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	
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University Publications of America

EDR Private Collection

The Sanborn Library LLC Since 1866™

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Ashlan Avenue Widening Project Ashlan Avenue Fresno, CA 93722

Inquiry Number: 6751467.4 November 16, 2021

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			
Site Name:	Client Name:		
Applan Avanua Widaning Draia	Here Environmental Inc		

Ashlan Avenue Widening Proje Ashlan Avenue Fresno, CA 93722 EDR Inquiry # 6751467.4 Haro Environmental, Inc. PO Box 7002 Los Osos, CA 93412 Contact: Elliot Haro



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Haro Environmental, Inc. 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:	Coordinates:		
P.O.# Project: Maps Provided	NA NA	Latitude: Longitude: UTM Zone: UTM X Meters: UTM Y Meters: Elevation:	36.79353 36° 47' 37" North -119.883879 -119° 53' 2" West Zone 11 North 242680.69 4075848.87 290.00' above sea level		
2012 1978, 1981 1972 1965 1964, 1965 1947 1946 1923	1921				

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets





Fresno North 2012 7.5-minute, 24000

Herndon 2012 7.5-minute, 24000

1978, 1981 Source Sheets



Herndon 1978 7.5-minute, 24000 Aerial Photo Revised 1962

Fresno North 1981 7.5-minute, 24000 Aerial Photo Revised 1978

1972 Source Sheets



Fresno North 1972 7.5-minute, 24000 Aerial Photo Revised 1972

1965 Source Sheets



Herndon 1965 15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1964, 1965 Source Sheets



Herndon 1964 7.5-minute, 24000 Aerial Photo Revised 1962

1947 Source Sheets



Herndon 1947 7.5-minute, 24000



Fresno North 1965 7.5-minute, 24000 Aerial Photo Revised 1962



Fresno North 1947 7.5-minute, 24000

1946 Source Sheets



Fresno North 1946 7.5-minute, 24000



Herndon 1946 7.5-minute, 24000

1923 Source Sheets



Herndon 1923 7.5-minute, 31680



Bullard 1923 7.5-minute, 31680

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1921 Source Sheets



Bullard 1921 7.5-minute, 31680







SW





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SW

S

SE

6751467 - 4

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Ashlan Avenue Widening Project

Ashlan Avenue Fresno, CA 93722

Inquiry Number: 6751467.8 November 16, 2021

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

Site Name:

Client Name:

Ashlan Avenue Widening Proje Ashlan Avenue Fresno, CA 93722 EDR Inquiry # 6751467.8 Haro Environmental, Inc. PO Box 7002 Los Osos, CA 93412 Contact: Elliot Haro



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Search Results:				
<u>Year</u>	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	
2006	1"=500'	Flight Year: 2006	USDA/NAIP	
1998	1"=500'	Acquisition Date: January 01, 1998	USGS/DOQQ	
1987	1"=500'	Flight Date: June 17, 1987	USDA	
1984	1"=500'	Flight Date: June 09, 1984	USDA	
1979	1"=500'	Flight Date: September 04, 1979	USDA	
1973	1"=500'	Flight Date: May 08, 1973	USDA	
1967	1"=500'	Flight Date: May 02, 1967	USDA	
1962	1"=500'	Flight Date: August 09, 1962	USGS	
1957	1"=500'	Flight Date: August 09, 1957	USDA	
1950	1"=500'	Flight Date: January 30, 1950	USDA	
1946	1"=500'	Flight Date: April 24, 1946	USGS	
1942	1"=500'	Flight Date: May 19, 1942	USDA	
1937	1"=500'	Flight Date: October 06, 1937	USDA	

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Ashlan Avenue Widening Project

Ashlan Avenue Fresno, CA 93722

Inquiry Number: 6751467.2s November 16, 2021

The EDR Radius Map[™] Report with GeoCheck®



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TARGET PROPERTY INFORMATION

ADDRESS

ASHLAN AVENUE FRESNO, CA 93722

COORDINATES

Latitude (North):	36.7935300 - 36° 47' 36.70"
Longitude (West):	119.8838790 - 119° 53' 1.96"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	242674.5
UTM Y (Meters):	4075646.2
Elevation:	290 ft. above sea level

2018

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	
Version Date:	

East Map:

2018 12012167 FRESNO NORTH, CA

12012181 HERNDON, CA

Version Date:

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140619
Source:	USDA

Target Property Address: ASHLAN AVENUE FRESNO, CA 93722

Click on Map ID to see full detail.

MAP				RELATIVE	DIST (ft. & mi.)
ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	ELEVATION	DIRECTION
A1	WALGREENS #11877	4771 W ASHLAN AVE	CUPA Listings	Higher	225, 0.043, East
A2	WALGREENS #11877	4771 W ASHLAN AVE	CERS HAZ WASTE, HAZNET, HWTS	Higher	225, 0.043, East
A3	WALGREENS #11877	4771 W ASHLAN AVE	RCRA NonGen / NLR	Higher	225, 0.043, East
4	PATRICIA ARZATE	5612 W ASHLAN AVE	RCRA NonGen / NLR	Higher	800, 0.152, West
B5	FRESNO FIRE STATION	4160 N BRIX AVE	SWEEPS UST	Higher	807, 0.153, NE
B 6	FRESNO FIRE STATION	4170 NORTH BRIX AVEN	HIST UST, CA FID UST	Higher	837, 0.159, NE
B7	FIRE STATION #16	4170 N BRIX AVE	CUPA Listings	Higher	837, 0.159, NE
B8	FRESNO FIRE STATION	4170 N BRIX AVE	HIST UST	Higher	837, 0.159, NE
9	ERNESTO SOLORIO PULI	5392 W SWIFT AVE	RCRA NonGen / NLR	Higher	856, 0.162, NW
10	MICHAEL A RODRIGUES	4737 W SWIFT	RCRA NonGen / NLR, FINDS, ECHO	Higher	872, 0.165, ENE
11	FORMER CENTRAL USD	3745 N CORNELIA AVE	CUPA Listings	Lower	1183, 0.224, SE
12	FRESNO CHROME PLATIN	4627 N BENDEL AVE	SEMS-ARCHIVE, RCRA-SQG, RESPONSE, ENVIROSTO	DR, HI ST igher	5095, 0.965, NE

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

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

Federal CERCLIS list

FEDERAL FACILITY______ Federal Facility Site Information listing SEMS______ Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE...... Superfund Enterprise Management System Archive

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-LQG	RCRA - Large Quantity Generators
RCRA-SQG	RCRA - Small Quantity Generators
RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity
	Generators)

Federal institutional controls / engineering controls registries

LUCIS...... Land Use Control Information System

US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROLS	Institutional Controls Sites List

Federal ERNS list

ERNS_____ Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

LUST	Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
CPS-SLIC	Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST	Underground Storage Tank Listing
UST	Active UST Facilities
AST	Aboveground Petroleum Storage Tank Facilities
INDIAN UST	Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP	Voluntary Cleanup Pric	ority Listing
VCP	Voluntary Cleanup Pro	gram Properties

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT	Waste Management Unit Database
SWRCY	Recycler Database
HAULERS	Registered Waste Tire Haulers Listing
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
IHS OPEN DUMPS	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
SCH	School Property Evaluation Program
CDL	Clandestine Drug Labs

 Toxic Pits
 Toxic Pits Cleanup Act Sites

 US CDL
 National Clandestine Laboratory Register

 AQUEOUS FOAM
 Former Fire Training Facility Assessments Listing

 PFAS
 PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CERS TANKS_____ California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

	Department of Defense Sites
DOD	
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	_ Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide
	Act)/TSCA (Toxic Substances Control Act)
MLTS	_ Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	_ Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem

US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
ICE	ICE
HIST CORTESE	Hazardous Waste & Substance Site List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
MINES MRDS	Mineral Resources Data System
HWIS	Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF...... Recovered Government Archive Solid Waste Facilities List

RGA LUST...... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent NPL

RESPONSE: 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.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRESNO CHROME PLATIN	4627 N BENDEL AVE	NE 1/2 - 1 (0.965 mi.)	12	66
Database: RESPONSE, Date of Go	vernment Version: 07/22/2021			
Status: No Further Action				
Facility Id: 10340008				

State- and tribal - equivalent CERCLIS

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 ENVIROSTOR list, as provided by EDR, and dated 07/22/2021 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRESNO CHROME PLATIN	4627 N BENDEL AVE	NE 1/2 - 1 (0.965 mi.)	12	66

Facility Id: 10340008 Status: No Further Action

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRESNO CHROME PLATIN	4627 N BENDEL AVE	NE 1/2 - 1 (0.965 mi.)	12	66

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 07/15/2021 has revealed that there is 1 CERS HAZ WASTE site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WALGREENS #11877	4771 W ASHLAN AVE	E 0 - 1/8 (0.043 mi.)	A2	9

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRESNO FIRE STATION	4160 N BRIX AVE	NE 1/8 - 1/4 (0.153 mi.)	B5	58
Status: A				
Tank Status: A				
Comp Number: 6702				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRESNO FIRE STATION	4170 NORTH BRIX AVEN	NE 1/8 - 1/4 (0.159 mi.)	B6	58
FRESNO FIRE STATION	4170 N BRIX AVE	NE 1/8 - 1/4 (0.159 mi.)	B8	60
Facility Id: 0000006702				

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRESNO FIRE STATION Facility Id: 10005124 Status: A	4170 NORTH BRIX AVEN	NE 1/8 - 1/4 (0.159 mi.)	B 6	58

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 09/13/2021 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WALGREENS #11877 EPA ID:: CAL000348447	4771 W ASHLAN AVE	E 0 - 1/8 (0.043 mi.)	A3	49
PATRICIA ARZATE EPA ID:: CAC003002201	5612 W ASHLAN AVE	W 1/8 - 1/4 (0.152 mi.)	4	55
ERNESTO SOLORIO PULI MICHAEL A RODRIGUES EPA ID:: CAR000099234	5392 W SWIFT AVE 4737 W SWIFT	NW 1/8 - 1/4 (0.162 mi.) <i>ENE 1/8 - 1/4 (0.165 mi.)</i>	9 10	60 63

CUPA Listings: 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.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 3 CUPA Listings

sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Address Direction / Distance		
WALGREENS #11877 Database: CUPA FRESNO, Date of Facility Id: FA0280285	4771 W ASHLAN AVE of Government Version: 04/09/2021	E 0 - 1/8 (0.043 mi.)	A1	9
FIRE STATION #16 Database: CUPA FRESNO, Date of Facility Id: FA0169026	4170 N BRIX AVE of Government Version: 04/09/2021	NE 1/8 - 1/4 (0.159 mi.)	B7	59
Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER CENTRAL USD	3745 N CORNELIA AVE	SE 1/8 - 1/4 (0.224 mi.)	11	65

Database: CUPA FRESNO, Date of Government Version: 04/09/2021 Facility Id: FA0270013

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name

Database(s)

CDL

OVERVIEW MAP - 6751467.2S



SITE NAME: ADDRESS:	Ashlan Avenue Widening Project Ashlan Avenue	CLIENT: CONTACT:	Haro Environmental, Inc. Elliot Haro
	Fresno CA 93722	INQUIRY #:	6751467.2s
LAT/LONG:	36.79353 / 119.883879	DATE:	November 16, 2021 9:11 am



SITE NAME:	Ashlan Avenue Widening Project	CLIENT:	Haro Environmental, Inc.
ADDRESS:	Ashlan Avenue	CONTACT:	Elliot Haro
	Fresno CA 93722	INQUIRY #:	6751467.2s
LAT/LONG:	36.79353 / 119.883879	DATE:	November 16, 2021 9:13 am

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Federal Delisted NPL si	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	CTS facilities li	ist						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COF	RRACTS TSD f	facilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generato	ors list							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional col engineering controls re	ntrols / gistries							
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equiv	alent NPL							
RESPONSE	1.000		0	0	0	1	NR	1
State- and tribal - equiv	alent CERCLIS	S						
ENVIROSTOR	1.000		0	0	0	1	NR	1
State and tribal landfill a solid waste disposal sit	and/or te lists							
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking	storage tank l	lists						
LUST	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST CPS-SLIC	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal registe	red storage tar	nk lists						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal volunta	ary cleanup site	es						
INDIAN VCP VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brown	fields sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONME	ENTAL RECORD	<u>8</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Waste Disposal Sites	' Solid							
WMUDS/SWAT SWRCY HAULERS INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.001 0.500 0.500 0.500 0.500		0 0 0 0 0 0	0 0 NR 0 0 0 0	0 0 NR 0 0 0 0	NR NR NR NR NR NR	NR NR NR NR NR NR	0 0 0 0 0 0
Local Lists of Hazardo Contaminated Sites	us waste /							
US HIST CDL HIST Cal-Sites SCH CDL Toxic Pits CERS HAZ WASTE US CDL AQUEOUS FOAM PFAS	0.001 1.000 0.250 0.001 1.000 0.250 0.001 TP 0.500		0 0 0 1 0 NR 0	NR 0 NR 0 NR NR 0	NR 0 NR 0 NR NR NR 0	NR 1 NR 0 NR NR NR NR	NR NR NR NR NR NR NR NR	0 1 0 0 1 0 0 0
Local Lists of Register	ed Storage Tar	nks						
SWEEPS UST HIST UST CERS TANKS CA FID UST	0.250 0.250 0.250 0.250		0 0 0 0	1 2 0 1	NR NR NR NR	NR NR NR NR	NR NR NR NR	1 2 0 1
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

LIENS 2 0.001 0 NR NR NR NR NR NR 0 DEED 0.500 0	əd
DEED 0.500 0 0 0 NR NR NR 0 Records of Emergency Release Reports HMIRS 0.001 0 NR NR NR NR 0 CHMIRS 0.001 0 NR NR NR NR 0 LDS 0.001 0 NR NR NR NR 0 MCS 0.001 0 NR NR NR NR 0 SPILLS 90 0.001 0 NR NR NR NR 0 Other Ascertainable Records 0 0 NR NR NR 4 FUDS 1.000 0 0 0 0 NR 0	
Records of Emergency Release Reports HMIRS 0.001 0 NR NR NR NR 0 CHMIRS 0.001 0 NR NR NR NR NR 0 LDS 0.001 0 NR NR NR NR 0 MCS 0.001 0 NR NR NR NR 0 SPILLS 90 0.001 0 NR NR NR NR 0 Other Ascertainable Records RCRA NonGen / NLR 0.250 1 3 NR NR 4 FUDS 1.000 0 0 0 0 NR 0	
HMIRS 0.001 0 NR NR NR NR NR 0 CHMIRS 0.001 0 NR NR NR NR NR 0 LDS 0.001 0 NR NR NR NR 0 MCS 0.001 0 NR NR NR NR 0 SPILLS 90 0.001 0 NR NR NR NR 0 Other Ascertainable Records RCRA NonGen / NLR 0.250 1 3 NR NR NR 4 FUDS 1.000 0 0 0 0 NR 0	
CHMIRS 0.001 0 NR NR NR NR 0 LDS 0.001 0 NR NR NR NR NR 0 MCS 0.001 0 NR NR NR NR NR 0 SPILLS 90 0.001 0 NR NR NR NR 0 Other Ascertainable Records RCRA NonGen / NLR 0.250 1 3 NR NR NR 4 FUDS 1.000 0 0 0 0 NR 0	
LDS 0.001 0 NR NR NR NR 0 MCS 0.001 0 NR NR NR NR NR 0 SPILLS 90 0.001 0 NR NR NR NR 0 Other Ascertainable Records 0 NR NR NR NR 4 FUDS 1.000 0 0 0 0 NR 0 DOD 1.000 0 0 0 0 NR 0	
MCS 0.001 0 NR NR NR NR 0 SPILLS 90 0.001 0 NR NR NR NR 0 Other Ascertainable Records RCRA NonGen / NLR 0.250 1 3 NR NR NR 4 FUDS 1.000 0 0 0 0 NR 0	
SPILLS 90 0.001 0 NR NR NR NR 0 Other Ascertainable Records RCRA NonGen / NLR 0.250 1 3 NR NR NR 4 FUDS 1.000 0 0 0 0 NR 0 DOD 1.000 0 0 0 NR 0	
Other Ascertainable Records RCRA NonGen / NLR 0.250 1 3 NR NR 4 FUDS 1.000 0 0 0 NR 0 DOD 1.000 0 0 0 NR 0	
RCRA NonGen / NLR 0.250 1 3 NR NR 4 FUDS 1.000 0 0 0 0 NR 0 DOD 1.000 0 0 0 NR 0	
FUDS 1.000 0 0 0 0 NR 0 DOD 1.000 0 0 0 0 NR 0	
DOD 1000 0 0 0 NR 0	
SCRD DRYCLEANERS 0.500 0 0 0 NR NR 0	
US FIN ASSUR 0.001 0 NR NR NR NR 0	
EPA WATCH LIST 0.001 0 NR NR NR NR 0	
2020 COR ACTION 0.250 0 0 NR NR NR 0	
TRISCA U.UUT U NR NR NR NR U TRIS 0.001 0 NR NR NR NR U	
SSTS 0.001 0 NR NR NR 0	
ROD 1000 0 0 0 0 NR 0	
RMP 0.001 0 NR NR NR NR 0	
RAATS 0.001 0 NR NR NR NR 0	
PRP 0.001 0 NR NR NR NR 0	
PADS 0.001 0 NR NR NR NR 0	
ICIS 0.001 0 NR NR NR NR 0	
FTTS 0.001 0 NR NR NR NR 0	
MLTS 0.001 0 NR NR NR NR 0	
COAL ASH DOE 0.001 0 NR NR NR NR 0	
COALASHEPA 0.500 0 0 0 NR NR 0	
PUBLIKANSFORMER U.UU1 U NR NR NR NR U	
RADINFO U.UUI U NR NR NR NR U	
DOT OPS 0.001 0 NR NR NR NR 0	
CONSENT 1000 0 0 0 0 NR 0	
INDIAN RESERV 1 000 0 0 0 0 NR 0	
FUSRAP 1.000 0 0 0 NR 0	
UMTRA 0.500 0 0 0 NR NR 0	
LEAD SMELTERS 0.001 0 NR NR NR NR 0	
US AIRS 0.001 0 NR NR NR NR 0	
US MINES 0.250 0 0 NR NR NR 0	
ABANDONED MINES 0.250 0 0 NR NR 0	
FINDS 0.001 0 NR NR NR NR 0	
DOCKET HWC 0.001 0 NR NR NR NR 0	
UXO 1.000 0 0 0 NR 0	
EURU U.UU1 U NK NK NK NR O	
Cortese 0.500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
CUPA Listings 0.250 1 2 NR NR NR 3	

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0 250		0	0	NR	NR	NR	0
FMI	0.200		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		Ő	NR	NR	NR	NR	õ
HAZNET	0.001		Ő	NR	NR	NR	NR	ŏ
ICE	0.001		Õ	NR	NR	NR	NR	Õ
HIST CORTESE	0.500		Õ	0	0	NR	NR	Õ
HWP	1.000		Õ	õ	Õ	0	NR	Õ
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		Ō	Ō	NR	NR	NR	Ō
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001			NR	NR	NR	NR	0
HWIS	IP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERN	MENT ARCHIV	VES						
Exclusive Recovered Go	rt. Archives							
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals		0	3	9	0	3	0	15

	Search							
	Distance	Target						Total
Database	(Miles)	Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Database(s)

EDR ID Number EPA ID Number

A1 East < 1/8 0.043 mi. 225 ft.	WALGREENS #11877 4771 W ASHLAN AVE FRESNO, CA 93722 Site 1 of 3 in cluster A		CUPA Listings	S111075075 N/A
Relative: Higher Actual: 291 ft.	CUPA FRESNO: Name: Address: City,State,Zip: Region: Cross Street: Facility ID: APM Number: Program Element:	WALGREENS #11877 4771 W ASHLAN AVE FRESNO, CA 93722 FRESNO Not reported FA0280285 51117158 HAZARDOUS WASTE GENERATOR (CESQG)		
	Name: Address: City,State,Zip: Region: Cross Street: Facility ID: APM Number: Program Element:	WALGREENS #11877 4771 W ASHLAN AVE FRESNO, CA 93722 FRESNO Not reported FA0280285 51117158 HAZ MAT DISCLOSURE-BELOW REPORTING QU	JANTITY	
A2 East < 1/8 0.043 mi. 225 ft.	WALGREENS #11877 4771 W ASHLAN AVE FRESNO, CA 93722 Site 2 of 3 in cluster A		CERS HAZ WASTE HAZNET HWTS	S113157641 N/A
Relative: Higher Actual: 291 ft.	CERS HAZ WASTE: Name: Address: City,State,Zip: Site ID: CERS ID: CERS Description: Evaluation: Eval General Type: Eval Date: Violations Found: Eval Type: Eval Notes: Eval Division: Eval Program: Eval Source:	WALGREENS #11877 4771 W ASHLAN AVE FRESNO, CA 93722 169855 10469260 Hazardous Waste Generator Compliance Evaluation Inspection 06-17-2014 No Routine done by local agency Haz waste inspection Fresno County Department of Public Health HW CERS		
	Coordinates: Site ID: Facility Name: Env Int Type Code: Program ID: Coord Name: Ref Point Type Desc: Latitude: Longitude:	169855 Walgreens #11877 HWG 10469260 Not reported Center of a facility or station. 36.793050 -119.879780		

Database(s)

EDR ID Number EPA ID Number

WALGREENS #11877 (Continued)

S113157641

Affiliation: Affiliation Type Desc: Identification Signer Entity Name: Tristan Guison, on behalf of Walgreen Co. Entity Title: Regulatory Compliance Specialist II, Verisk 3E Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported Not reported Affiliation Country: Affiliation Zip: Not reported Affiliation Phone: Not reported Affiliation Type Desc: Operator Entity Name: Walgreen Co. Entity Title: Not reported Not reported Affiliation Address: Affiliation City: Not reported Affiliation State: Not reported Affiliation Country: Not reported Affiliation Zip: Not reported (847) 914-2264 Affiliation Phone: Affiliation Type Desc: **CUPA** District Entity Name: Fresno County Community Health Department Entity Title: Not reported Affiliation Address: 1221 Fulton St., 3rd FloorP.O. Box 11867 Affiliation City: Fresno Affiliation State: CA Affiliation Country: Not reported Affiliation Zip: 93775 Affiliation Phone: (559) 600-3271 Affiliation Type Desc: **Document Preparer** Entity Name: Tristan Guison, On behalf of Walgreen Co. Entity Title: Not reported Affiliation Address: Not reported Affiliation City: Not reported Not reported Affiliation State: Affiliation Country: Not reported Affiliation Zip: Not reported Affiliation Phone: Not reported Affiliation Type Desc: **Environmental Contact** Entity Name: Verisk 3E, Regulatory Dept/Walgreen Co. Entity Title: Not reported Affiliation Address: 3207 Grey Hawk Court, Suite 200 Affiliation City: Carlsbad Affiliation State: CA Affiliation Country: Not reported Affiliation Zip: 92010 Affiliation Phone: Not reported Parent Corporation Affiliation Type Desc: Entity Name: Walgreens Entity Title: Not reported Affiliation Address: Not reported Affiliation City: Not reported Affiliation State: Not reported

Database(s)

EDR ID Number EPA ID Number

WALGREENS #11877 (Continued)

S113157641

Affiliation Country: Not reported Not reported Affiliation Zip: Affiliation Phone: Not reported Affiliation Type Desc: Facility Mailing Address Entity Name: Mailing Address Entity Title: Not reported Affiliation Address: Verisk 3E, Regulatory Dept/Walgreen Co. 3207 Grey Hawk Ct. Suite 200 Affiliation City: Carlsbad Affiliation State: CA Affiliation Country: Not reported Affiliation Zip: 92010 Affiliation Phone: Not reported Legal Owner Affiliation Type Desc: Entity Name: Walgreen Co. Entity Title: Not reported Affiliation Address: 200 Wilmot Road Affiliation City: Deerfield Affiliation State: IL United States Affiliation Country: Affiliation Zip: 60015 Affiliation Phone: (847) 914-2264 HAZNET: Name: WALGREENS #11877 Address: 4771 W ASHLAN AVE Address 2: Not reported FRESNO, CA 920100000 City,State,Zip: Contact: **KARINA ROMERO** Telephone: 7606028700 Mailing Name: Not reported Mailing Address: 3207 GREY HAWK CT. SUITE 200 2019 Year: Gepaid: CAL000348447 TSD EPA ID: CAD008364432 331 - Off-specification, aged or surplus organics CA Waste Code: **Disposal Method:** H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Tons: 0.02700 Year: 2019 Gepaid: CAL000348447 TSD EPA ID: CAD008364432 CA Waste Code: 311 - Pharmaceutical waste **Disposal Method:** H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Tons: 0.02450 Year: 2019 CAL000348447 Gepaid: TSD EPA ID: AZR000515924 CA Waste Code: 331 - Off-specification, aged or surplus organics **Disposal Method:** H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

EDR ID Number **EPA ID Number** Database(s)

WALGREENS #11877 (Continued)

S113157641 Tons: 0.26100 2019 Year: CAL000348447 Gepaid: TSD EPA ID: CAD008364432 CA Waste Code: 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions ... **Disposal Method:** H070 -Tons: 0.00150 Year: 2019 Gepaid: CAL000348447 TSD EPA ID: CAD008364432 CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5 **Disposal Method:** H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Tons: 0.00650 Year: 2019 Gepaid: CAL000348447 TSD EPA ID: AZR000515924 352 - Other organic solids CA Waste Code: **Disposal Method:** H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Tons: 0.14850 Year: 2019 Gepaid: CAL000348447 TSD EPA ID: NVD980895338 CA Waste Code: 331 - Off-specification, aged or surplus organics Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Tons: 0.01350 Year: 2019 CAL000348447 Gepaid: TSD EPA ID: INR000110197 311 - Pharmaceutical waste CA Waste Code: **Disposal Method:** H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Tons: 0.00100 2018 Year: CAL000348447 Gepaid: TSD EPA ID: CAD008364432 CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5 H141 - Storage, Bulking, And/Or Transfer Off Site--No **Disposal Method:** Treatment/Reovery (H010-H129) Or (H131-H135) Tons: 0.01100 2018 Year: CAL000348447 Gepaid: TSD EPA ID: CAD008364432 CA Waste Code: 311 - Pharmaceutical waste **Disposal Method:** H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Tons: 0.01750

Database(s) E

EDR ID Number EPA ID Number

WALGREENS #11877 (Continued)

<u>Click this hyperlink</u> while viewing on your computer to access 70 additional CA HAZNET: record(s) in the EDR Site Report.	
Additional Info:	
Year	2017
Gen EPA ID:	CAL 000348447
	0/12000040447
Shipment Date:	20171221
Creation Date:	10/29/2018 18:30:22
Receipt Date:	20180123
Manifest ID:	009305571FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	AZR000515924
	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
ISDF Alt Name: Weste Code Description:	Not reported
PCPA Code:	SS2 - Other organic solids
Meth Code:	H141 - Storage Bulking And/Or Transfer Off SiteNo
Meth Code.	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.018
Waste Quantity:	36
Quantity Unit:	Р
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171221
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009305570FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	CAD008364432
	RHO CHEM LLC
TSDE Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
BCRA Code	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off SiteNo
	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	Р
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

S113157641

Database(s) EP

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID:

20171221 9/14/2018 18:31:06 20180123 009305570FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS CAD008364432 RHO CHEM LLC Not reported Not reported 331 - Off-specification, aged, or surplus organics D001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0025 5 Р Not reported Not reported Not reported Not reported Not reported 20171221 9/14/2018 18:31:06 20180123 009305570FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS CAD008364432 RHO CHEM LLC Not reported Not reported 331 - Off-specification, aged, or surplus organics D001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.002 4 Ρ Not reported Not reported Not reported Not reported Not reported 20171221 9/14/2018 18:31:06 20180123 009305570FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133

Database(s)

EDR ID Number **EPA ID Number**

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WALGREENS #11877 (Continued)

Trans 2 Name: SMITH SYSTEMS TSDF EPA ID: CAD008364432 Trans Name: RHO CHEM LLC TSDF Alt EPA ID: Not reported **TSDF Alt Name:** Not reported 311 - Pharmaceutical waste Waste Code Description: RCRA Code: D010 Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.002 Waste Quantity: 4 Quantity Unit: Ρ Additional Code 1: D007 Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20171221 Creation Date: 9/14/2018 18:31:06 Receipt Date: 20180123 Manifest ID: 009305570FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: NED986382133 Trans 2 Name: SMITH SYSTEMS TSDF EPA ID: CAD008364432 Trans Name: RHO CHEM LLC TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported 311 - Pharmaceutical waste Waste Code Description: RCRA Code: D024 Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.001 Waste Quantity: 2 Quantity Unit: Ρ Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20171221 Creation Date: 10/29/2018 18:30:22 Receipt Date: 20180123 Manifest ID: 009305571FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: NED986382133 Trans 2 Name: SMITH SYSTEMS TSDF EPA ID: AZR000515924 YUMA YES LLC Trans Name: TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported Waste Code Description: 331 - Off-specification, aged, or surplus organics RCRA Code: Not reported

EDR ID Number EPA ID Number

S113157641

Database(s)

WALGREENS #11877 (Continued)

Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons:

Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0315 63 Ρ Not reported Not reported Not reported Not reported Not reported 20171027 Not reported Not reported 009382914FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS CAD008364432 RHO CHEM LLC Not reported Not reported 122 - Alkaline solution without metals (pH > 12.5 D002 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0025 5 Р Not reported Not reported Not reported Not reported Not reported 20171027 8/27/2018 18:30:14 20171116 009382914FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS CAD008364432 RHO CHEM LLC Not reported Not reported 331 - Off-specification, aged, or surplus organics D001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0015 3 Р Not reported Not reported
Database(s)

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Additional Info: Year: Gen EPA ID: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4:

Additional Code 5:

Not reported Not reported Not reported 20171027 Not reported Not reported 009382914FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS CAD008364432 RHO CHEM LLC Not reported Not reported 352 - Other organic solids Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0425 85 Р Not reported Not reported Not reported Not reported Not reported 2014 CAL000348447 20141210 Not reported Not reported 007239119FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS TRANSPORTATION INC CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported 181 - Other inorganic solid waste Organics Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.1355 271 Ρ Not reported Not reported Not reported Not reported Not reported

Database(s) E

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID:

20141210 Not reported Not reported 007239119FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS TRANSPORTATION INC CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported - Not reported Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0515 103 Ρ Not reported Not reported Not reported Not reported Not reported 20141210 2/24/2015 22:15:05 20141223 007239119FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS TRANSPORTATION INC CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported 311 - Pharmaceutical waste D010 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0005 1 Ρ D007 Not reported Not reported Not reported Not reported 20141210 2/24/2015 22:15:05 20141223 007239119FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133

EDR ID Number Database(s) EPA ID Number

WALGREENS #11877 (Continued)

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Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC TSDF EPA ID: CAD980884183 Trans Name: GENERAL ENVIRONMENTAL MGT LLC TSDF Alt EPA ID: Not reported **TSDF Alt Name:** Not reported 311 - Pharmaceutical waste Waste Code Description: RCRA Code: P001 Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.0005 Waste Quantity: 1 Quantity Unit: Ρ Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20141210 2/24/2015 22:15:05 Creation Date: Receipt Date: 20141223 Manifest ID: 007239119FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: NED986382133 Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC TSDF EPA ID: CAD980884183 Trans Name: GENERAL ENVIRONMENTAL MGT LLC TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported 214 - Unspecified solvent mixture Waste Code Description: RCRA Code: D001 Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.007 Waste Quantity: 14 Quantity Unit: Р Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20141210 Creation Date: 2/24/2015 22:15:05 Receipt Date: 20141223 Manifest ID: 007239119FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: NED986382133 Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC TSDF EPA ID: CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Trans Name: TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported Waste Code Description: 214 - Unspecified solvent mixture RCRA Code: D001

EDR ID Number EPA ID Number

S113157641

Database(s)

WALGREENS #11877 (Continued)

Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date:

Receipt Date: Receipt Date: Manifest ID: Trans EPA ID: Trans 2 EPA ID: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code:

Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0095 19 Ρ Not reported Not reported Not reported Not reported Not reported 20140925 3/27/2015 22:15:17 20141014 007223166FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS TRANSPORTATION INC NVD980895338 21ST CENTURY EMN LLC Not reported Not reported 141 - Off-specification, aged, or surplus inorganics Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0035 7 Р Not reported Not reported Not reported Not reported Not reported 20140925 3/27/2015 22:15:17 20141014 007223166FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS TRANSPORTATION INC NVD980895338 21ST CENTURY EMN LLC Not reported Not reported 181 - Other inorganic solid waste Organics Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0015 3

- э Р
- P Not reported
- Not reported

Database(s)

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Additional Info:

Year: Gen EPA ID: Not reported Not reported Not reported 20140925 3/6/2015 22:14:58 20141009 007223165FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS TRANSPORTATION INC CAD008364432 RHO CHEM LLC Not reported Not reported 214 - Unspecified solvent mixture D001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0065 13 Р Not reported Not reported Not reported Not reported Not reported 20140925 3/6/2015 22:14:58 20141009 007223165FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS TRANSPORTATION INC CAD008364432 RHO CHEM LLC Not reported Not reported 214 - Unspecified solvent mixture D001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.01 20 Ρ Not reported Not reported Not reported Not reported Not reported

2010 CAL000348447

EDR ID Number Database(s) EPA ID Number

WALGREENS #11877 (Continued)

S113157641

Shipment Date: 20101217 Creation Date: Receipt Date: 20110107 Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported Waste Code Description: RCRA Code: D001 Meth Code: Quantity Tons: 0.0015 Waste Quantity: 3 Ρ Quantity Unit: Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20101217 Creation Date: Not reported Receipt Date: Not reported Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: Not reported **TSDF Alt Name:** Not reported Waste Code Description: RCRA Code: Not reported Meth Code: Quantity Tons: 0.01 20 Waste Quantity: Quantity Unit: Р Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20101217 Creation Date: Receipt Date: 20110107 Manifest ID: Trans EPA ID: Trans Name:

5/27/2011 18:30:22 004505656FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC OHD083377010 ENVIRONMENTAL ENTERPRISES INC 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions H071 - Chemical Reduction With Or Without Precipitation 004505656FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC OHD083377010 ENVIRONMENTAL ENTERPRISES INC 311 - Pharmaceutical waste H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 5/27/2011 18:30:22 004505656FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC

EDR ID Number Database(s) EPA ID Number

WALGREENS #11877 (Continued)

Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code:

S113157641 CAD982492399 ALL CHEMICAL DISPOSAL INC OHD083377010 ENVIRONMENTAL ENTERPRISES INC Not reported Not reported 214 - Unspecified solvent mixture D001 H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending) 0.004 8 Р Not reported Not reported Not reported Not reported Not reported 20101217 5/27/2011 18:30:22 20110107 004505656FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC OHD083377010 ENVIRONMENTAL ENTERPRISES INC Not reported Not reported - Not reported Not reported - Not reported 0.012 24 Р Not reported Not reported Not reported Not reported Not reported 20101217 5/27/2011 18:30:22 20110107 004505656FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC OHD083377010 ENVIRONMENTAL ENTERPRISES INC Not reported Not reported 214 - Unspecified solvent mixture D001

EDR ID Number Database(s) **EPA ID Number**

WALGREENS #11877 (Continued)

Meth Code:

Quantity Tons:

Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4:

S113157641 H061 - Fuel Blending Prior To Energy Recovery At Another Site 0.009 18 Р Not reported Not reported Not reported Not reported Not reported 20101217 Not reported Not reported 004505656FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC OHD083377010 ENVIRONMENTAL ENTERPRISES INC Not reported Not reported 135 - Unspecified aqueous solution Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0125 25 Р Not reported Not reported Not reported Not reported Not reported 20100922 2/19/2011 18:30:08 20101005 007890099JJK MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC OHD083377010 ENVIRONMENTAL ENTERPRISES INC Not reported Not reported 214 - Unspecified solvent mixture D001 H061 - Fuel Blending Prior To Energy Recovery At Another Site 0.0055 11 Ρ Not reported Not reported Not reported Not reported

Database(s) EPA ID

EDR ID Number EPA ID Number

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WALGREENS #11877 (Continued)

Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name:

Trans 2 EPA ID:

Trans 2 Name:

TSDF EPA ID:

TSDF Alt EPA ID:

TSDF Alt Name:

Trans Name:

Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5:

Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date:

Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name:

Not reported

20100922 2/19/2011 18:30:08 20101005 007890099JJK MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC OHD083377010 ENVIRONMENTAL ENTERPRISES INC Not reported Not reported 214 - Unspecified solvent mixture D001 H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending) 0.003 6 Р Not reported Not reported Not reported Not reported Not reported 20100922 2/19/2011 18:30:08 20101005 007890099JJK MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC OHD083377010 ENVIRONMENTAL ENTERPRISES INC Not reported Not reported 122 - Alkaline solution without metals (pH > 12.5 D002 H121 - Neutralization Only 0.0085 17 Р Not reported Not reported Not reported Not reported Not reported 20100622 1/26/2011 18:30:09 20100716 007402150JJK MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC

Database(s)

EDR ID Number **EPA ID Number**

WALGREENS #11877 (Continued)

Year:

S113157641 Trans 2 EPA ID: OKD981588791 Trans 2 Name: TRIAD TRANSPORT INC TSDF EPA ID: OHD083377010 Trans Name: ENVIRONMENTAL ENTERPRISES INC TSDF Alt EPA ID: Not reported **TSDF Alt Name:** Not reported 214 - Unspecified solvent mixture Waste Code Description: RCRA Code: D001 Meth Code: H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending) 0.004 Quantity Tons: Waste Quantity: 8 Quantity Unit: Р Additional Code 1: Not reported Not reported Additional Code 2: Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Additional Info: 2015 Gen EPA ID: CAL000348447 Shipment Date: 20151215 Creation Date: 3/25/2016 22:15:42 Receipt Date: 20160105 Manifest ID: 008532879FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: CAR000210617 Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA TSDF EPA ID: CAD980884183 Trans Name: GENERAL ENVIRONMENTAL MGT LLC TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported 214 - Unspecified solvent mixture Waste Code Description: RCRA Code: D001 Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.0105 Waste Quantity: 21 Quantity Unit: Ρ Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20151215 Creation Date: 3/25/2016 22:15:42 Receipt Date: 20160105 Manifest ID: 008532879FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: CAR000210617 Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA TSDF EPA ID: CAD980884183

Database(s) EPA ID

EDR ID Number EPA ID Number

WALGREENS #11877 (Continued)

Trans Name: GENERAL ENVIRONMENTAL MGT LLC Not reported TSDF Alt EPA ID: Not reported TSDF Alt Name: Waste Code Description: 214 - Unspecified solvent mixture RCRA Code: D001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Meth Code: Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.003 Waste Quantity: 6 Quantity Unit: Р Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20151215 Creation Date: Not reported Receipt Date: Not reported 008532879FLE Manifest ID: MNS000110924 Trans EPA ID: Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: CAR000210617 Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA TSDF EPA ID: CAD980884183 Trans Name: GENERAL ENVIRONMENTAL MGT LLC TSDF Alt EPA ID: Not reported **TSDF Alt Name:** Not reported Waste Code Description: - Not reported RCRA Code: Not reported Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.0015 Waste Quantity: 3 Quantity Unit: Ρ Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20151215 Creation Date: Not reported Receipt Date: Not reported Manifest ID: 008532879FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: CAR000210617 Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA TSDF EPA ID: CAD980884183 Trans Name: GENERAL ENVIRONMENTAL MGT LLC TSDF Alt EPA ID: Not reported **TSDF Alt Name:** Not reported Waste Code Description: - Not reported Not reported RCRA Code: Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

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0.0005

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Database(s)

EDR ID Number EPA ID Number

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WALGREENS #11877 (Continued)

Quantity Tons:

Waste Quantity:

Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity:

Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Not reported Not reported Not reported Not reported Not reported 20151215 Not reported Not reported 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported - Not reported Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.023 46 Ρ Not reported Not reported Not reported Not reported Not reported 20151215 Not reported Not reported 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported - Not reported Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.004 8 Ρ Not reported Not reported Not reported Not reported

Database(s)

EDR ID Number **EPA ID Number**

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WALGREENS #11877 (Continued)

Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code:

Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5:

Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code:

Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5:

Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID:

Not reported

MNS000110924

20151215 Not reported Not reported 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported 331 - Off-specification, aged, or surplus organics Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.02 40 Р Not reported Not reported Not reported Not reported Not reported 20151215 Not reported Not reported 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported 352 - Other organic solids Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.025 50 Р Not reported Not reported Not reported Not reported Not reported 20151215 Not reported Not reported 008532879FLE

EDR ID Number Database(s) EPA ID Number

WALGREENS #11877 (Continued)

Trans Name:

Trans 2 EPA ID:

Trans 2 Name:

TSDF EPA ID:

TSDF Alt EPA ID:

Waste Code Description:

TSDF Alt Name:

Trans Name:

RCRA Code:

Quantity Tons:

Quantity Unit:

Waste Quantity:

Additional Code 1:

Additional Code 2:

Additional Code 3:

Additional Code 4:

Additional Code 5:

Shipment Date:

Creation Date:

Receipt Date:

Trans EPA ID:

Trans 2 EPA ID:

Trans 2 Name:

TSDF EPA ID:

TSDF Alt EPA ID:

Waste Code Description:

TSDF Alt Name:

Trans Name:

RCRA Code:

Quantity Tons:

Quantity Unit:

Waste Quantity:

Additional Code 1:

Additional Code 2:

Additional Code 3:

Additional Code 4:

Additional Code 5:

Additional Info: Year:

Gen EPA ID:

Shipment Date:

Creation Date:

Receipt Date:

Trans EPA ID:

Trans 2 EPA ID:

Trans 2 Name:

Trans Name:

Manifest ID:

Meth Code:

Trans Name:

Manifest ID:

Meth Code:

STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported 311 - Pharmaceutical waste D024 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.001 2 Ρ Not reported Not reported Not reported Not reported Not reported 20151215 Not reported Not reported 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported 311 - Pharmaceutical waste P001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0005 1 Р Not reported Not reported Not reported Not reported Not reported 2012 CAL000348447 20121101 Not reported Not reported 005806605FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS

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Database(s) E

EDR ID Number EPA ID Number

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WALGREENS #11877 (Continued)

TSDF EPA ID: INR000110197 Trans Name: STERICYCLE INC TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported Waste Code Description: 214 - Unspecified solvent mixture RCRA Code: D001 Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.0065 Waste Quantity: 13 Quantity Unit: Р Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20121101 Creation Date: 4/6/2013 22:15:07 Receipt Date: 20121119 Manifest ID: 005806605FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: NED986382133 Trans 2 Name: SMITH SYSTEMS TSDF EPA ID: INR000110197 Trans Name: STERICYCLE INC TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported 311 - Pharmaceutical waste Waste Code Description: D010 RCRA Code: Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.0005 Waste Quantity: 1 Quantity Unit: Ρ Additional Code 1: D007 Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20121101 Creation Date: 4/6/2013 22:15:07 Receipt Date: 20121119 Manifest ID: 005806605FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: NED986382133 Trans 2 Name: SMITH SYSTEMS TSDF EPA ID: INR000110197 Trans Name: STERICYCLE INC TSDF Alt EPA ID: Not reported **TSDF Alt Name:** Not reported Waste Code Description: 311 - Pharmaceutical waste RCRA Code: D024 Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

0.0005

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Database(s)

EDR ID Number EPA ID Number

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WALGREENS #11877 (Continued)

Quantity Tons:

Quantity Unit:

Waste Quantity:

Additional Code 1:

Additional Code 2:

Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4:

Ρ Not reported Not reported Not reported Not reported Not reported 20121101 4/6/2013 22:15:07 20121119 005806605FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS INR000110197 STERICYCLE INC Not reported Not reported 311 - Pharmaceutical waste P001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0005 1 Ρ Not reported Not reported Not reported Not reported Not reported 20121101 Not reported Not reported 005806605FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS INR000110197 STERICYCLE INC Not reported Not reported 135 - Unspecified aqueous solution Not reported - Not reported 0.0565 113 D Not reported Not reported Not reported Not reported

Treatment/Reovery (H010-H129) Or (H131-H135)

Database(s) EPA ID

EDR ID Number EPA ID Number

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WALGREENS #11877 (Continued)

Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3:

Shipment Date: Creation Date: Receipt Date:

Additional Code 4:

Additional Code 5:

Not reported

20121101 4/6/2013 22:15:07 20121119 005806605FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS INR000110197 STERICYCLE INC Not reported Not reported 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals D002 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0035 7 Р Not reported Not reported Not reported Not reported Not reported 20121101 Not reported Not reported 005806605FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS INR000110197 STERICYCLE INC Not reported Not reported 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions D001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0005 1 Р Not reported Not reported Not reported Not reported Not reported 20121101 Not reported Not reported

EDR ID Number Database(s) EPA ID Number

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WALGREENS #11877 (Continued)

Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: 28 Quantity Unit: Р Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: 60 Quantity Unit: Р Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID:

005806605FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS INR000110197 STERICYCLE INC Not reported Not reported 214 - Unspecified solvent mixture D001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.014 Not reported Not reported Not reported Not reported Not reported 20121101 Not reported Not reported 005806605FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS INR000110197 STERICYCLE INC Not reported Not reported - Not reported Not reported - Not reported 0.03 Not reported Not reported Not reported Not reported Not reported 20121101 Not reported Not reported 005806605FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS INR000110197 STERICYCLE INC Not reported

Database(s)

EDR ID Number EPA ID Number

WALGREENS #11877 (Continued)

TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Additional Info: Year: Gen EPA ID: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code:

Not reported . 311 - Pharmaceutical waste Not reported - Not reported 0.0295 59 Р Not reported Not reported Not reported Not reported Not reported 2013 CAL000348447 20130926 Not reported Not reported 006263147FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS TRANSPORTATION INR000110197 STERICYCLE INC Not reported Not reported 311 - Pharmaceutical waste D010 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0005 1 Ρ D007 Not reported Not reported Not reported Not reported 20130926 Not reported Not reported 006263147FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS TRANSPORTATION INR000110197 STERICYCLE INC Not reported Not reported 311 - Pharmaceutical waste D024 H141 - Storage, Bulking, And/Or Transfer Off Site--No

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Database(s)

EDR ID Number **EPA ID Number**

WALGREENS #11877 (Continued)

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Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.0005 Waste Quantity: 1 Quantity Unit: Ρ Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported 20130926 Shipment Date: Creation Date: Not reported Receipt Date: Not reported Manifest ID: 006263147FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: NED986382133 SMITH SYSTEMS TRANSPORTATION Trans 2 Name: TSDF EPA ID: INR000110197 STERICYCLE INC Trans Name: TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported Waste Code Description: - Not reported RCRA Code: Not reported Meth Code: - Not reported Quantity Tons: 0.0155 Waste Quantity: 31 Quantity Unit: Ρ Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20130926 Creation Date: Not reported Receipt Date: Not reported Manifest ID: 006263147FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: NED986382133 Trans 2 Name: SMITH SYSTEMS TRANSPORTATION TSDF EPA ID: INR000110197 Trans Name: STERICYCLE INC TSDF Alt EPA ID: Not reported **TSDF Alt Name:** Not reported Waste Code Description: 331 - Off-specification, aged, or surplus organics RCRA Code: Not reported Meth Code: - Not reported Quantity Tons: 0.0575 Waste Quantity: 115 Quantity Unit: Ρ Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported

Database(s) EPA I

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID:

20130926 3/12/2014 22:15:10 20131021 006263147FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS TRANSPORTATION INR000110197 STERICYCLE INC Not reported Not reported 311 - Pharmaceutical waste P001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0005 1 Ρ Not reported Not reported Not reported Not reported Not reported 20130926 3/12/2014 22:15:10 20131021 006263147FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS TRANSPORTATION INR000110197 STERICYCLE INC Not reported Not reported 214 - Unspecified solvent mixture D001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0025 5 Ρ Not reported Not reported Not reported Not reported Not reported 20130926 3/12/2014 22:15:10 20131021 006263147FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133

Database(s) EPA

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Trans 2 Name: SMITH SYSTEMS TRANSPORTATION TSDF EPA ID: INR000110197 Trans Name: STERICYCLE INC TSDF Alt EPA ID: Not reported **TSDF Alt Name:** Not reported 214 - Unspecified solvent mixture Waste Code Description: RCRA Code: D001 Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.004 Waste Quantity: 8 Quantity Unit: Р Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20130926 3/12/2014 22:15:10 Creation Date: Receipt Date: 20131021 Manifest ID: 006263147FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: NED986382133 Trans 2 Name: SMITH SYSTEMS TRANSPORTATION TSDF EPA ID: INR000110197 Trans Name: STERICYCLE INC TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported 311 - Pharmaceutical waste Waste Code Description: RCRA Code: P075 Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.0005 Waste Quantity: 1 Quantity Unit: Ρ Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported 20130926 Shipment Date: Creation Date: Not reported Receipt Date: Not reported Manifest ID: 006263147FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: NED986382133 Trans 2 Name: SMITH SYSTEMS TRANSPORTATION TSDF EPA ID: INR000110197 Trans Name: STERICYCLE INC TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported Waste Code Description: 331 - Off-specification, aged, or surplus organics RCRA Code: Not reported

Database(s)

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Meth Code:

Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Additional Info: Year: Gen EPA ID: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit:

- Not reported 0.049 98 Р Not reported Not reported Not reported Not reported Not reported 20130701 Not reported Not reported 006228515FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC NED986382133 SMITH SYSTEMS TRANSPORTATION INC INR000110197 STERICYCLE INC Not reported Not reported 135 - Unspecified aqueous solution Not reported - Not reported 0.03 60 Ρ Not reported Not reported Not reported Not reported Not reported 2016 CAL000348447 20151215 Not reported Not reported 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported - Not reported Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0005 1 Ρ

Not reported Not reported

Not reported

20151215

Database(s)

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Additional Code 1:

Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date:

Not reported Not reported 20151215 Not reported Not reported 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported 311 - Pharmaceutical waste D024 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.001 2 Р Not reported Not reported Not reported Not reported Not reported 20151215 Not reported Not reported 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported - Not reported Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.004 8 Ρ Not reported Not reported Not reported Not reported Not reported

Database(s) EPA ID

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name:

Not reported Not reported 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported 331 - Off-specification, aged, or surplus organics Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.02 40 Ρ Not reported Not reported Not reported Not reported Not reported 20151215 Not reported Not reported 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported 352 - Other organic solids Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.025 50 Ρ Not reported Not reported Not reported Not reported Not reported 20151215 3/25/2016 22:15:42 20160105 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA

Database(s)

EDR ID Number **EPA ID Number**

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WALGREENS #11877 (Continued)

TSDF EPA ID: CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Trans Name: TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported Waste Code Description: 214 - Unspecified solvent mixture RCRA Code: D001 Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.0105 Waste Quantity: 21 Quantity Unit: Ρ Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20151215 Creation Date: 3/25/2016 22:15:42 Receipt Date: 20160105 Manifest ID: 008532879FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: CAR000210617 Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA TSDF EPA ID: CAD980884183 Trans Name: GENERAL ENVIRONMENTAL MGT LLC TSDF Alt EPA ID: Not reported TSDF Alt Name: Not reported 214 - Unspecified solvent mixture Waste Code Description: RCRA Code: D001 Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Quantity Tons: 0.003 Waste Quantity: 6 Quantity Unit: Ρ Additional Code 1: Not reported Additional Code 2: Not reported Additional Code 3: Not reported Additional Code 4: Not reported Additional Code 5: Not reported Shipment Date: 20151215 Creation Date: 3/25/2016 22:15:42 20160105 Receipt Date: Manifest ID: 008532879FLE Trans EPA ID: MNS000110924 Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC Trans 2 EPA ID: CAR000210617 Trans 2 Name: 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA TSDF EPA ID: CAD980884183 Trans Name: GENERAL ENVIRONMENTAL MGT LLC TSDF Alt EPA ID: Not reported **TSDF Alt Name:** Not reported Waste Code Description: 311 - Pharmaceutical waste RCRA Code: P075 Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

Database(s)

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Quantity Tons:

Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity:

Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Treatment/Reovery (H010-H129) Or (H131-H135) 0.0005 1 Ρ Not reported Not reported Not reported Not reported Not reported 20151215 3/25/2016 22:15:42 20160105 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported 311 - Pharmaceutical waste D010 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0005 1 Р D007 Not reported Not reported Not reported Not reported 20151215 Not reported Not reported 008532879FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAR000210617 21ST CENTURY ENVIRONMENTAL OF CALIFORNIA CAD980884183 GENERAL ENVIRONMENTAL MGT LLC Not reported Not reported - Not reported Not reported H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.023 46 Р Not reported Not reported Not reported

Database(s)

EDR ID Number EPA ID Number

WALGREENS #11877 (Continued)

Additional Code 4: Additional Code 5:

Additional Info: Year: Gen EPA ID:

> Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5:

> Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans 2 EPA ID: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code:

Meth Code:

Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Not reported Not reported

> 2011 CAL000348447 20111026 11/28/2012 22:1

11/28/2012 22:15:25 20111108 004968631FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC INR000110197 STERICYCLE INC Not reported Not reported 214 - Unspecified solvent mixture D001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.0185 37 Ρ Not reported Not reported Not reported Not reported Not reported 20111026 11/28/2012 22:15:25 20111108 004968631FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC INR000110197 STERICYCLE INC Not reported Not reported 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions D001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.004 8 Р Not reported Not reported Not reported Not reported

S113157641

Database(s) EPA

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID:

Trans Name:

Not reported 20111026 11/28/2012 22:15:25 20111108 004968631FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC INR000110197 STERICYCLE INC Not reported Not reported 135 - Unspecified aqueous solution Not reported - Not reported 0.0305 61 Ρ Not reported Not reported Not reported Not reported Not reported 20111026 11/28/2012 22:15:25 20111108 004968631FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC INR000110197 STERICYCLE INC Not reported Not reported 214 - Unspecified solvent mixture D001 H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) 0.009 18 Р Not reported Not reported Not reported Not reported Not reported 20111026 Not reported Not reported 004968631FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC

Database(s) EPA

EDR ID Number EPA ID Number

WALGREENS #11877 (Continued)

Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: **TSDF Alt Name:** Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code:

S113157641 CAD982492399 ALL CHEMICAL DISPOSAL INC INR000110197 STERICYCLE INC Not reported Not reported 311 - Pharmaceutical waste Not reported - Not reported 0.022 44 Р Not reported Not reported Not reported Not reported Not reported 20111026 Not reported Not reported 004968631FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC INR000110197 STERICYCLE INC Not reported Not reported - Not reported Not reported - Not reported 0.028 56 Р Not reported Not reported Not reported Not reported Not reported 20110718 11/19/2012 22:15:08 20110810 004506593FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC OHD083377010 ENVIRONMENTAL ENTERPRISES INC Not reported Not reported 214 - Unspecified solvent mixture D001 H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel

Blending)

0.011

22

Р

Database(s)

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Quantity Tons:

Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5:

Not reported Not reported Not reported Not reported Not reported 20110718 11/16/2012 22:15:09 20110802 004506592FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC INR000110197 STERICYCLE INC Not reported Not reported 311 - Pharmaceutical waste Not reported - Not reported 0.0455 91 Ρ Not reported Not reported Not reported Not reported Not reported 20110718 11/16/2012 22:15:09 20110802 004506592FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC INR000110197 STERICYCLE INC Not reported Not reported 135 - Unspecified aqueous solution Not reported - Not reported 0.0165 33 Р Not reported Not reported Not reported Not reported Not reported

Database(s) EPA II

EDR ID Number EPA ID Number

S113157641

WALGREENS #11877 (Continued)

Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: HWTS: Name: Address: Address 2: City,State,Zip: EPA ID: Inactive Date: Create Date: Last Act Date: Mailing Name: Mailing Address: Mailing Address 2: Mailing City, State, Zip: **Owner Name:** Owner Address: Owner Address 2: Owner City, State, Zip: Contact Name: Contact Address: Contact Address 2: City,State,Zip:

NAICS:

EPA ID: Create Date: NAICS Code: NAICS Description: Issued EPA ID Date: Inactive Date: Facility Name: Facility Address: Facility Address 2: Facility City: 20110718 11/19/2012 22:15:08 20110810 004506593FLE MNS000110924 STERICYCLE SPECIALTY WASTE SOLUTIONS INC CAD982492399 ALL CHEMICAL DISPOSAL INC OHD083377010 ENVIRONMENTAL ENTERPRISES INC Not reported Not reported - Not reported Not reported - Not reported 0.012 24 Р Not reported Not reported Not reported Not reported Not reported WALGREENS #11877 4771 W ASHLAN AVE Not reported FRESNO, CA 937224307 CAL000348447 Not reported 12/07/2009 04/06/2021 Not reported 104 WILMOT RD 5TH FLR MS 1450 Not reported DEERFIELD, IL 60015 WALGREEN CO. 200 WILMOT RD MS 2273 Not reported DEERFIELD, IL 600150000 KARINA ROMERO 3207 GREY HAWK CT., SUITE 200 Not reported CARLSBAD, CA 92010

CAL000348447 2009-12-07 13:56:25.203 446110 Pharmacies and Drug Stores 2009-12-07 13:56:25.11000 Not reported WALGREENS #11877 4771 W ASHLAN AVE Not reported FRESNO

Database(s)

EDR ID Number EPA ID Number

	WALGREENS #11877 (Continued)Facility County:NoFacility State:C/Facility Zip:93	ot reported A 37224307		S113157641
A3 East < 1/8 0.043 mi.	WALGREENS #11877 4771 W ASHLAN AVE FRESNO, CA 93722		RCRA NonGen / NLR	1016954578 CAL000348447
225 ft.	Site 3 of 3 in cluster A			
Relative: Higher Actual: 291 ft.	RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: WALGR Handler Address: Handler City State.Zip:	EENS #11877	20210309 4771 W ASHLAN AVE FRESNO. CA 93722-4307	
	EPA ID: Contact Name: Contact Address: Contact City,State,Zip: Contact Telephone:		CALOOO348447 AMBER DURKIN WILMOT RD 5TH FLR MS1434 DEERFIELD, IL 60015 847-964-8816	
	Contact Fax: Contact Email: Contact Title: EPA Region: Land Type:		Not reported AMBER.DURKIN@WALGREENS.C APS SAFETY MANAGER, NON-RE 09 Private	COM ETAIL / SUPPLY CHAIN
	Non-Notifier: Biennial Report Cycle: Accessibility: Active Site Indicator:		Not a generator, venned Not reported Not reported Not reported Not reported	
	State District Owner: State District: Mailing Address: Mailing City,State,Zip:		Not reported Not reported WILMOT RD 5TH FLR MS1434 DEERFIELD, IL 60015	
	Owner Name: Owner Type: Operator Name: Operator Type:		LUCIENNE WHITE TRUST - DARY Private WALGREEN CO. Private	L WHITE TRUSTEE
	Short-Term Generator Activity: Importer Activity: Mixed Waste Generator: Transporter Activity:		No No No No	
	Transfer Facility Activity: Recycler Activity with Storage: Small Quantity On-Site Burner Exemption: Smelting Melting and Refining Furnace Exem	ption:	No No No	
	Underground Injection Control: Off-Site Waste Receipt: Universal Waste Indicator: Universal Waste Destination Facility:		No No No	
	Federal Universal Waste: Active Site Fed-Reg Treatment Storage and D Active Site Converter Treatment storage and D	Disposal Facility: Disposal Facility:	No Not reported Not reported	
	Active Site State-Reg Treatment Storage and Active Site State-Reg Handler: Federal Facility Indicator: Hazardous Secondary Material Indicator:	usposal Facility:	Not reported Not reported N	

Database(s)

EDR ID Number EPA ID Number

WALGREENS #11877 (Continued)

Waste Description:

Waste Code:

	Sub-Part K Indicator:		Not reported
	Commercial TSD Indicator:		No
	Treatment Storage and Disposal Typ	De:	Not reported
	2018 GPRA Permit Baseline:		Not on the Baseline
	2018 GPRA Renewals Baseline:		Not on the Baseline
	Permit Renewals Workload Universe	2	Not reported
	Permit Workload Universe:		Not reported
	Permit Progress Universe:		Not reported
	Post-Closure Workload Universe:		Not reported
	Closure Workload Universe:		Not reported
	202 GPRA Corrective Action Baselin	А.	No
	Corrective Action Workload Universe		No
	Subject to Corrective Action Universe	2.	No
	Non TSDEs Whore PCPA CA has B	oon Imposed Liniverse:	No
	TEDEs Detentially Subject to CA Unit	der 2004 (u) (u) Universe.	No
	TSDFs Potentially Subject to CA Und	der 3004 (u)/(v) Universe:	NO
	I SDF's Only Subject to CA under Dis	scretionary Auth Universe:	
	Corrective Action Priority Ranking:		No NCAPS ranking
	Environmental Control Indicator:		NO
	Institutional Control Indicator:		NO
	Human Exposure Controls Indicator:		N/A
	Groundwater Controls Indicator:		N/A
	Operating TSDF Universe:		Not reported
	Full Enforcement Universe:		Not reported
	Significant Non-Complier Universe:		No
	Unaddressed Significant Non-Compl	ier Universe:	No
	Addressed Significant Non-Complier	Universe:	No
	Significant Non-Complier With a Con	npliance Schedule Universe:	No
	Financial Assurance Required:		Not reported
	Handler Date of Last Change:		20210310
	Recognized Trader-Importer:		No
	Recognized Trader-Exporter:		No
	Importer of Spent Lead Acid Batterie	s:	No
	Exporter of Spent Lead Acid Batterie	S:	No
	Recycler Activity Without Storage:		No
	Manifest Broker:		No
	Sub-Part P Indicator:		No
B	ennial: List of Years		
	Year:	2019	
	Click Here for Biennial Reporting Sys	stem Data:	
	Year:	2017	
	Click Here for Biennial Reporting Sys	stem Data:	
	Year:	2015	
		2010	
	Click Here for Biennial Reporting Sys	stem Data:	
	Year:	2013	
	Click Here for Biennial Reporting Sys	stem Data:	
н	azardous Waste Summary		
• •	Waste Code:	D001	

IGNITABLE WASTE

D002

1016954578

Database(s)

EDR ID Number EPA ID Number

WALGREENS #11877 (Continued)	1016954578
Waste Description:	CORROSIVE WASTE
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D016
Waste Description:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Waste Code:	D022
Waste Description:	CHLOROFORM
Waste Code:	D024
Waste Description:	M-CRESOL
Waste Code: Waste Description:	P001 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Waste Code: Waste Description:	P075 NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
Waste Code:	U034
Waste Description:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
Waste Code: Waste Description:	U058 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO 2-OXIDE (OR) CYCLOPHOSPHAMIDE
Waste Code: Waste Description:	U129 CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE
Waste Code:	U150
Waste Description:	L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN
Waste Code:	U165
Waste Description:	NAPHTHALENE
Waste Code:	U188
Waste Description:	PHENOL
Waste Code:	U205
Waste Description:	SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)
Handler - Owner Operator: Owner/Operator Indicator:	Owner

TC6751467.2s Page 51

EDR ID Number Database(s) **EPA ID Number**

WALGREENS #11877 (Continued)

Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: Owner/Operator Fax: Owner/Operator Email:

Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City, State, Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: Owner/Operator Fax: Owner/Operator Email:

Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: **Owner/Operator Fax:** Owner/Operator Email:

Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: Owner/Operator Fax: Owner/Operator Email:

Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: Owner/Operator Fax:

LUCIENNE WHITE TRUST - DARYL WHITE TRUSTEE Private 20090831 Not reported 13218 ROLLING OAKS RD CALIENTE, CA 93518 714-250-8394 Not reported Not reported KIM.DASCOLI@WALGREENS.COM Owner LUCIENNE WHITE TRUST - DARYL WHITE TRUSTEE Private 20090831 Not reported 13218 ROLLING OAKS RD CALIENTE, CA 93518 Not reported Not reported Not reported Not reported Operator WALGREEN CO. Private 20090831 Not reported 200 WILMONT RD. DEEFIELD, IL 60015 Not reported Not reported Not reported Not reported

Owner LUCIENNE WHITE TRUST - DARYL WHITE TRUSTEE Private 20090831 Not reported 13218 ROLLING OAKS RD CALIENTE, CA 93518 Not reported Not reported Not reported Not reported

Owner LUCIENNE WHITE TRUST Private 20110311 Not reported 13218 ROLLING OAKS RD CALIENTE, CA 93518 714-250-8394 Not reported Not reported

1016954578
Database(s)

EDR ID Number EPA ID Number

1016954578

WALGREENS #11877 (Continued)

Owner/Operator Email:

Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: Owner/Operator Fax: Owner/Operator Email:

Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: Owner/Operator Fax: Owner/Operator Email:

Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: Owner/Operator Fax: Owner/Operator Email:

Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: Owner/Operator Fax: Owner/Operator Email:

Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Not reported

Operator WALGREEN CO. Private 20091106 Not reported Not reported

Operator WALGREEN CO Private 20110311 Not reported Not reported Not reported Not reported Not reported Not reported Not reported

Operator WALGREEN CO. Private 20090831 Not reported 200 WILMOT DRIVE, MAIL STOP #2273 DEEFIELD, IL 60015 847-315-2812 Not reported Not reported KIM.DASCOLI@WALGREENS.COM

Operator WALGREEN CO. Private 20090831 Not reported 200 WILMONT RD. DEEFIELD, IL 60015 Not reported Not reported Not reported Not reported

Owner LUCIENNE WHITE TRUST DARYL WHITE TRUSTEE Private 20090831 Not reported 13218 ROLLING OAKS RD CALIENTE, CA 93518

TC6751467.2s Page 53

WALGREENS #11877 (Continued)

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

Owner/Operator Telephone:	714-250-8394
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Historic Generators:	
Receive Date:	20140609
Handler Name: WALGREENS #11877	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20160406
Handler Name: WALGREENS #11877	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20180831
Handler Name: WALGREENS #11877	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	NO
Current Record:	NO
Non Storage Recycler Activity:	NO
Electronic Manifest Broker.	NO
Receive Date:	20200721
Federal Wests Consister Description:	Small Quantity Concreter
State District Owners	Small Quantity Generator
State District Owner:	Notreported
Pacagnized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer	No
Spent Lead Acid Battery Exporter	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
-	

Database(s)

	WALGREENS #11877 (Continued)					1016954578
	Receive Date:		20210309			
	Handler Name: WALGREEN	NS #11877	20210000			
	Federal Waste Generator Description: State District Owner: Large Quantity Handler of Universal Waste: Recognized Trader Importer:		Not a generate	or, verified		
			Not reported			
			No			
			No			
	Recognized Trader Exporter:		No			
	Spent Lead Acid Battery Importer:		No			
	Spent Lead Acid Battery Exporter:		NO			
	Current Record:		res			
	Flectronic Manifest Broker:		No			
	Electronic Mannest Broker.		NO			
	List of NAICS Codes and Descriptions:					
	NAICS Code:	44611				
	NAICS Description:	PHARMACIES A	ND DRUG STO	RES		
	NAICS Code:	446110				
	NAICS Description:	PHARMACIES A	ND DRUG STO	RES		
	Facility Has Received Notices of Violatio	ons:		E		
	Violations:		No Violations	Found		
	Evaluation Action Summary:					
	Evaluations:		No Evaluation	s Found		
4	PATRICIA ARZATE			RCRA NonGer	n/NLR	1024782224
4 West 1/8-1/4 0.152 mi. 800 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722			RCRA NonGer	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative:	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722			RCRA NonGer	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency:		20	RCRA NonGer	ו / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual:	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name:	PATRICIA ARZA	20 TE	RCRA NonGen	ו / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address:	PATRICIA ARZA	20 TE 51	RCRA NonGer 0190221 612 W ASHLAN AVE	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip:	PATRICIA ARZA	20 TE 50 F	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID:	PATRICIA ARZA	20 TE 56 F C	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name:	PATRICIA ARZA	TE F C P	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Address:	PATRICIA ARZA	20 TE 50 P 50 50	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Address: Contact City,State,Zip: Contact City,State,Zip:	PATRICIA ARZA	20 TE 50 P 50 F	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 FO 246 0121	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Address: Contact City,State,Zip: Contact City,State,Zip: Contact Telephone: Contact Telephone:	PATRICIA ARZA	20 TE 50 F 50 F 51 51	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 59-246-0121 bt reported	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Address: Contact City,State,Zip: Contact Telephone: Contact Fax: Contact Famil:	PATRICIA ARZA	20 TE 50 F 50 F 51 S 81 S 10 S 10 S 10 S 10 S 10 S 10 S 1	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 59-246-0121 lot reported IZE @DW/SEL COM	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Address: Contact Address: Contact City,State,Zip: Contact Telephone: Contact Fax: Contact Email: Contact Title:	PATRICIA ARZA	20 TE 50 F 50 F 51 S 10 S 10 S 10 S 10 S 10 S 10 S 10 S	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 59-246-0121 lot reported IZE @PWSEI.COM	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Address: Contact Address: Contact City,State,Zip: Contact Title: Contact Fax: Contact Title: EPA Region:	PATRICIA ARZA	20 TE 50 F 50 F 51 N L N 00	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 59-246-0121 lot reported IZE @PWSEI.COM lot reported 9	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Address: Contact City,State,Zip: Contact Telephone: Contact Telephone: Contact Fax: Contact Fax: Contact Title: EPA Region: Land Type:	PATRICIA ARZA	20 TE 50 F 50 F 51 N L N 01 N 01 N	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 59-246-0121 lot reported IZE @PWSEI.COM lot reported 9	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Name: Contact Address: Contact City,State,Zip: Contact Telephone: Contact Fax: Contact Fax: Contact Title: EPA Region: Land Type: Federal Waste Generator Description	PATRICIA ARZA	20 TE 50 F 50 F 51 N L N 01 N N N N N N N N N N N N N N N N	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 59-246-0121 lot reported IZE @PWSEI.COM lot reported 9 lot reported jot reported jot a generator, verified	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Name: Contact Address: Contact Title; Contact Title; EPA Region: Land Type: Federal Waste Generator Description Non-Notifier:	PATRICIA ARZA	20 TE 50 F 50 F 51 N U N N N N N N N N N N N	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 59-246-0121 lot reported IZE @PWSEI.COM lot reported 9 lot reported lot a generator, verified lot a generator, verified lot reported	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Name: Contact Address: Contact City,State,Zip: Contact Telephone: Contact Telephone: Contact Fax: Contact Title: EPA Region: Land Type: Federal Waste Generator Description Non-Notifier: Biennial Report Cycle:	PATRICIA ARZA	20 TE 50 F 50 F 51 N U N N N N N N N N N N N N	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 59-246-0121 lot reported IZE @PWSEI.COM lot reported 9 lot reported lot a generator, verified lot reported lot reported lot reported lot reported lot reported lot reported lot reported	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Name: Contact Address: Contact City,State,Zip: Contact Telephone: Contact Fax: Contact Fax: Contact Title: EPA Region: Land Type: Federal Waste Generator Description Non-Notifier: Biennial Report Cycle: Accessibility:	PATRICIA ARZA' 1:	20 TE 50 F S0 F S1 S1 N N N N N N N N N N N N N N N N N	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 59-246-0121 lot reported IZE @PWSEI.COM lot reported lot reported	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Address: Contact City,State,Zip: Contact Telephone: Contact Fax: Contact Fax: Contact Email: Contact Title: EPA Region: Land Type: Federal Waste Generator Description Non-Notifier: Biennial Report Cycle: Accessibility: Active Site Indicator:	PATRICIA ARZA'	20 TE 50 F 50 F S0 N N N N N N N N N N N N N N N N N N	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 59-246-0121 lot reported IZE @PWSEI.COM lot reported lot reported	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Name: Contact Address: Contact City,State,Zip: Contact Telephone: Contact Fax: Contact Fax: Contact Email: Contact Title: EPA Region: Land Type: Federal Waste Generator Description Non-Notifier: Biennial Report Cycle: Accessibility: Active Site Indicator: State District Owner:	PATRICIA ARZA	20 TE 50 F 50 F S1 N N N N N N N N N N N N N N N N N N	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 59-246-0121 lot reported IZE @ PWSEI.COM lot reported IZE @ PWSEI.COM lot reported lot reported	n / NLR	1024782224 CAC003002201
4 West 1/8-1/4 0.152 mi. 800 ft. Relative: Higher Actual: 295 ft.	PATRICIA ARZATE 5612 W ASHLAN AVE FRESNO, CA 93722 RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Name: Contact Address: Contact Telephone: Contact Fax: Contact Fax: Contact Title: EPA Region: Land Type: Federal Waste Generator Description Non-Notifier: Biennial Report Cycle: Accessibility: Active Site Indicator: State District Owner: State District:	PATRICIA ARZA	24 TE 56 F S6 56 F S1 S1 S1 S1 S1 S1 S1 S1 S1 S1 S1 S1 S1	RCRA NonGer 0190221 612 W ASHLAN AVE RESNO, CA 93722 AC003002201 ATRICIA ARZATE 612 W ASHLAN AVE RESNO, CA 93722 59-246-0121 lot reported IZE @PWSEI.COM lot reported lot reported	n / NLR	1024782224 CAC003002201

Database(s)

EDR ID Number EPA ID Number

PATRICIA ARZATE (Continued)

Mailing City, State, Zip:	FRESNO, CA 93722
Owner Name:	PATRICIA ARZATE
Owner Type:	Other
Operator Name:	PATRICIA ARZATE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	NO
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	NO
Non-ISDFs where RCRA CA has been imposed Universe:	NO
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
I SDFs Only Subject to CA under Discretionary Auth Universe:	
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	NO No
Institutional Control Indicator.	
Auman Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A Not reported
Cyperating TSDF Universe.	Not reported
Fuil Enlorcement Universe.	Not reported
Significant Non-Complier Universe.	NO No
Addressed Significant Non-Complier Universe.	NO
Addressed Significant Non-Complier Universe.	NO
Significant Non-Complier with a Compliance Schedule Universe.	NO Not reported
Handler Dete of Lest Change:	
Pocognizod Trador Importor:	20130222 No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batterice:	No
Exporter of Spent Lead Acid Batteries.	No
LAPORTO OF OPEN LEAU AND DAILONES.	

PATRICIA ARZATE (Continued)

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

Recycler Activity Without Storage: Manifest Broker: Sub-Part P Indicator:		No No No
Handler - Owner Operator: Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: Owner/Operator Telephone Ext: Owner/Operator Fax: Owner/Operator Fax: Owner/Operator Indicator: Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current:		Owner PATRICIA ARZATE Other Not reported S612 W ASHLAN AVE FRESNO, CA 93722 559-246-0120 Not reported Not reported Not reported Operator PATRICIA ARZATE Other Not reported Not reported Not reported
Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: Owner/Operator Fax: Owner/Operator Email:		5612 W ASHLAN AVE FRESNO, CA 93722 559-246-0121 Not reported Not reported Not reported
Historic Generators: Receive Date: Handler Name: PATRICIA A Federal Waste Generator Description State District Owner: Large Quantity Handler of Universal Recognized Trader Importer: Recognized Trader Exporter: Spent Lead Acid Battery Importer: Spent Lead Acid Battery Exporter: Current Record: Non Storage Recycler Activity: Electronic Manifest Broker:	ARZATE n: Waste:	20190221 Not a generator, verified Not reported No No No No Yes Not reported Not reported
List of NAICS Codes and Descriptions: NAICS Code: NAICS Description:	56299 ALL OTHER WAS	TE MANAGEMENT SERVICES
Facility Has Received Notices of Violati Violations:	ons:	No Violations Found
Evaluation Action Summary: Evaluations:		No Evaluations Found

Database(s)

B5 NE 1/8-1/4 0.153 mi. 807 ft.	FRESNO FIRE STATION NC 4160 N BRIX AVE FRESNO, CA 93711 Site 1 of 4 in cluster B	0. 16		SWEEPS UST	S106926473 N/A
Relative: Higher Actual: 291 ft.	SWEEPS UST: Name: Address: City: Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	FRESNO F 4160 N BRI FRESNO Active 6702 4 44-003223 06-24-93 06-24-93 02-29-88 1 10-000-006 A 550 12-17-92 M.V. FUEL P DIESEL 1	IRE STATION NO. 16 X AVE 702-000001		
B6 NE 1/8-1/4 0.159 mi. 837 ft.	FRESNO FIRE STATION NC 4170 NORTH BRIX AVENUE FRESNO, CA 93711 Site 2 of 4 in cluster B) 16 :		HIST UST CA FID UST	S101621973 N/A
Relative: Higher Actual: 291 ft.	HIST UST: Name: Address: City,State,Zip: File Number: URL: Region: Facility ID: Facility Type: Other Type: Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip: Total Tanks: Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Leak Detection:	Thickness:	FRESNO FIRE STATION NO 16 4170 NORTH BRIX AVENUE FRESNO, CA 93711 00023C83 http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0 Not reported Not reported	10023C83.pdf	

HAZ MAT DISCLOSURE/CLOSED SITE

Database(s)

EDR ID Number EPA ID Number

FRESNO FIRE STATION NO 16 (Continued)

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	10005124
Regulated By:	UTNKA
Regulated ID:	00006702
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2094881542
Mail To:	Not reported
Mailing Address:	2326 FRESNO ST
Mailing Address 2:	Not reported
Mailing City, St, Zip:	FRESNO 93711
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

B7 NE 1/8-1/4 0.159 mi.	FIRE STATION #16 4170 N BRIX AVE FRESNO, CA 93722	
837 ft.	Site 3 of 4 in cluster B	
Relative: Higher Actual: 291 ft.	CUPA FRESNO: Name: Address: City,State,Zip: Region: Cross Street: Facility ID:	FIRE STATION #16 4170 N BRIX AVE FRESNO, CA 93722 FRESNO SWIFT FA0169026
	APM Number: Program Element:	UST REMOVAL/CLOSURE W/1 TANK
	Name:	FIRE STATION #16
	Address:	4170 N BRIX AVE
	City,State,Zip:	FRESNO, CA 93722
	Region:	FRESNO
	Cross Street:	SWIFT
	Facility ID:	FA0169026
	APM Number:	51032632T

Program Element:

CUPA Listings S103956937 N/A

Database(s)

B8 NE 1/8-1/4 0 159 mi	FRESNO FIRE STATION NO. 16 4170 N BRIX AVE FRESNO, CA 93711		HIST	UST	U001592094 N/A
837 ft.	Site 4 of 4 in cluster B				
Relative: Higher Actual: 291 ft.	HIST UST: Name: Address: City,State,Zip: File Number: URL: Region: Facility ID: Facility ID: Facility Type: Other Type: Contact Name: Telephone: Owner Name: Owner Name: Owner Address: Owner City,St,Zip: Total Tanks:	FRESNO FIRE STATION NO. 4170 N BRIX AVE FRESNO, CA 93711 Not reported Not reported STATE 00000006702 Other FIRE STATION BUD ARMSTRON,FIRE CHIE 2094881542 CITY OF FRESNO 2326 FRESNO STREET FRESNO, CA 93721 0001	16 F		
9 NW 1/8-1/4 0.162 mi.	Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Thickness: Leak Detection: ERNESTO SOLORIO PULIDO DBA SOLO 5392 W SWIFT AVE FRESNO, CA 93722	001 016-84 1983 00000550 PRODUCT DIESEL Not reported Stock Inventor	RCRA NonGen / I	NLR	1026830206 CAR000327064
856 ft. Relative: Higher Actual: 292 ft.	RCRA NonGen / NLR: Date Form Received by Agency: Handler Name: Handler Address: Handler City,State,Zip: EPA ID: Contact Name: Contact Address: Contact City,State,Zip: Contact Telephone: Contact Fax: Contact Fax: Contact Fax: Contact Fax: Contact Title: EPA Region: Land Type: Federal Waste Generator Descriptior Non-Notifier: Biennial Report Cycle: Accessibility: Active Site Indicator: State District Owner:	ERNESTO SOLORIO PULIDO	20210715 DBA SOLORIO TRANSPORT 5392 W SWIFT AVE FRESNO, CA 93722 CAR000327064 ERNESTO SOLORIO PULIDO W SWIFT AVE FRESNO, CA 93722 559-374-7422 Not reported SOLORIOTRANSPORT3@YA OWNER 09 Private Not a generator, verified Not reported Not reported Not reported Not reported Handler Activities Not reported Not reported	аноо.	СОМ

EDR ID Number Database(s)

EPA ID Number

ERNESTO SOLORIO PULIDO DBA SOLORIO TRANSPORT (Continued)

Mailing Address:	W SWIFT AVE
Mailing City, State, Zip:	FRESNO, CA 93722
Owner Name:	ERNESTO SOLORIO PULIDO
Owner Type:	Private
Operator Name:	ERNESTO SOLORIO PULIDO
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator	No
Transporter Activity	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smalling Melting and Refining Euroace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt	No
Universal Weste Indiastor:	No
Universal Waste Indicator.	No
Universal Waste Destination Facility.	NO No
Active Cite Fed Des Treatment Staress and Dispacel Fedility	INO Nativananta d
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe	No
Addressed Significant Non-Complier Universe	No
Significant Non-Complier With a Compliance Schedule Universe	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210811
Peconized Trader-Importer	No
Recognized Trader Exporter	No
Neuginzeu Hauer-Exponer. Importor of Spont Lood Asid Pottorios:	
importer of Spent Lead Acid Batteries:	INU

Map ID Direction Distance Elevation Site

MAP FINDINGS

Database(s)

Exporter of Spent Lead Acid Batterie	es: No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No
Handler - Owner Operator:	
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ERNESTO SOLORIO PULIDO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5392 W SWIFT AVE
Owner/Operator City,State,Zip:	FRESNO, CA 93722
Owner/Operator Telephone:	559-374-7422
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	SOLORIOTRANSPORT3@YAHOO.COM
Owner/Operator Indicator	Owner
Owner/Operator Name:	ERNESTO SOLORIO PULIDO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5392 W SWIFT AVE
Owner/Operator City, State, Zip:	FRESNO, CA 93722
Owner/Operator Telephone:	559-374-7422
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	SOLORIOTRANSPORT3@YAHOO.COM
Historic Generators:	20210715
Fadorel Weste Concreter Descriptio	SOLORIO PULIDO DBA SOLORIO TRANSPORT
State District Owner:	II. Not a generator, vermed
Large Quantity Handler of Universal	Waste: No
Recognized Trader Importer:	No
Recognized Trader Exporter	No
Spent Lead Acid Rattery Importer	No
Spent Lead Acid Battery Exporter	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
List of NAICS Codes and Descriptions:	
NAICS Code:	484220
NAICS Description:	SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LOCAL
Facility Llos Dessived Nations of Materia	inno.
Violations:	No Violations Found
Evaluation Action Summary	

Map ID Direction Distance Elevation Site MAP FINDINGS

Database(s) E

10 ENE 1/8-1/4 0.165 mi. 872 ft.	MICHAEL A RODRIGUES 4737 W SWIFT FRESNO, CA 93722		RCRA NonGen / N FIN EC	NLR NDS HO	1004677588 CAR000099234
Relative: Higher Actual:	RCRA NonGen / NLR: Date Form Received by Agency: Handler Name:	MICHAEL A RODRIGUES	20010628		
292 ft.	Handler Address:		4737 W SWIFT		
	Handler City,State,Zip:		FRESNO, CA 93722		
	EPA ID:		CAR000099234		
	Contact Name:		MICHAEL RODRIGUES		
	Contact Address:		4737 W SWIFT		
	Contact City,State,Zip:		FRESNO, CA 93722		
	Contact Telephone:		559-275-5524		
	Contact Fax:		Not reported		
	Contact Email:		Not reported		
	Contact Title:		Not reported		
	EPA Region:		09		
	Land Type:		Private		
	Federal Waste Generator Descriptio	n:	Not a generator, verified		
	Non-Notifier:		Not reported		
	Biennial Report Cycle:		Not reported		
	Accessibility:		Not reported		
	Active Site Indicator:		Handler Activities		
	State District Owner:		Not reported		
	State District:		Not reported		
	Mailing Address:		4737 W SWIFT		
	Mailing City, State, Zip:		FRESNO, CA 93722		
	Owner Name:		MICHAEL A RODRIGUES		
	Owner Type:		Private		
	Operator Name:		Not reported		
	Operator Type:		Not reported		
	Short-Term Generator Activity:		No		
	Importer Activity:		No		
	Mixed Waste Generator:		No		
	Transporter Activity:		Yes		
	Transfer Facility Activity:		No		
	Recycler Activity with Storage:		No		
	Small Quantity On-Site Burner Exen	nption:	No		
	Smelting Melting and Refining Furna	ace Exemption:	No		
	Underground Injection Control:		No		
	Off-Site Waste Receipt:		No		
	Universal Waste Indicator:		No		
	Universal Waste Destination Facility	:	No		
	Federal Universal Waste:		No		
	Active Site Fed-Reg Treatment Stor	age and Disposal Facility:	Not reported		
	Active Site Converter Treatment sto	rage and Disposal Facility:	Not reported		
	Active Site State-Reg Treatment Sto Active Site State-Reg Handler:	brage and Disposal Facility:	Not reported		
	Federal Facility Indicator:		Not reported		
	Hazardous Secondary Material Indic	cator:	NN		
	Sub-Part K Indicator:		Not reported		
	Commercial TSD Indicator:		No		
	Treatment Storage and Disposal Ty	pe:	Not reported		
	2018 GPRA Permit Baseline:		Not on the Baseline		
	2018 GPRA Renewals Baseline:		Not on the Baseline		
	Permit Renewals Workload Universe	e:	Not reported		

Database(s)

EDR ID Number EPA ID Number

MICHAEL A RODRIGUES (Continued)

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:Owner/Operator Indicator:Owner/Operator Indicator:Owner/Operator Indicator:Owner/Operator Name:MillLegal Status:PrDate Became Current:NationDate Ended Current:NationOwner/Operator Address:47Owner/Operator City,State,Zip:FFOwner/Operator Telephone:55Owner/Operator Telephone Ext:NationOwner/Operator Fax:NationOwner/Operator Email:Nation

Historic Generators:	
Receive Date:	
Handler Name:	MICHAEL A RODRIGUES
Federal Waste Gene	erator Description:
State District Owner	
Large Quantity Hand	dler of Universal Waste:
Recognized Trader	Importer:
Recognized Trader	Exporter:
Spent Lead Acid Ba	ttery Importer:
Spent Lead Acid Ba	ttery Exporter:
Current Record:	

Owner
MICHAEL A RODRIGUES
Private
Not reported
Not reported
4737 W SWIFT
FRESNO, CA 93722
559-275-5524
Not reported
Not reported
Not reported

20010628

Not a generator, verified
Not reported
No
Yes

Database(s)

	MICHAEL A RODRIGU	ES (Continued)		1004677588
	Non Storage Recy Electronic Manifes	rcler Activity: t Broker:	Not reported Not reported	
	List of NAICS Codes NAICS Codes:	and Descriptions:	No NAICS Codes Found	
	Facility Has Received Violations:	Notices of Violations:	No Violations Found	
	Evaluation Action Su Evaluations:	mmary:	No Evaluations Found	
	FINDS: Registry ID:	110012202874		
	Click Here:			
Environmental interestition matter System. RCRAInfo is a national informatic Conservation and Recovery Act (events and activities related to fa and treat, store, or dispose of hai program staff to track the notifica corrective action activities require <u>Click this hyperlink</u> while viewing additional FINDS: detail in the EE ECHO: Envid: 100467758 Registry ID: 110012202 DFR URL: http://echo. Name: MICHAEL Address: 4737 W SV City,State,Zip: FRESNO,		RCRAInfo is a national informa Conservation and Recovery Ac events and activities related to and treat, store, or dispose of H program staff to track the notifi corrective action activities requ <u>Click this hyperlink</u> while viewin additional FINDS: detail in the 1004677 1100122 http://ech MICHAE 4737 W FRESNC	ation system that supports the Resource ct (RCRA) program through the tracking of facilities that generate, transport, nazardous waste. RCRAInfo allows RCRA cation, permit, compliance, and iired under RCRA. ng on your computer to access EDR Site Report. 7588 202874 no.epa.gov/detailed-facility-report?fid=110012202874 ELA RODRIGUES SWIFT D, CA 93722	
11 SE 1/8-1/4 0.224 mi. 1183 ft.	FORMER CENTRAL U 3745 N CORNELIA AV FRESNO, CA 93722	SD E	CUPA Listings	S106175263 N/A
Relative: Lower Actual: 289 ft.	CUPA FRESNO: Name: Address: City,State,Zip: Region: Cross Street: Facility ID: APM Number: Program Element:	FORMER CENTR 3745 N CORNELI FRESNO, CA 937 FRESNO Not reported FA0270013 51109526 MISCELLANEOUS	AL USD A AVE 22 S SITE ASSESSMENT	

Database(s)

12 NE 1/2-1 0.965 mi. 5095 ft. Relative: Higher Actual: 299 ft.	FRESNO CHROME PLATING, INC 4627 N BENDEL AVE FRESNO, CA 93711	SEMS-ARCHIVE 1000383514 RCRA-SQG CAD083167841 RESPONSE ENVIROSTOR HIST Cal-Sites FINDS ECHO CUPA Listings HAZNET HIST CORTESE HWTS
	SEMS Archive: Site ID: EPA ID: Name: Address: Address 2: City,State,Zip: Cong District: FIPS Code: FF: NPL:	0901627 CAD083167841 FRESNO CHROME PLATING INC 4627 N BENDEL AVE Not reported FRESNO, CA 93711 15 06019 N Not on the NPL
	Non NPL Status: SEMS Archive Detail: Region: Site ID: EPA ID: Site Name: NPL: FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual: Current Action Lead:	NFRAP-Site does not qualify for the NPL based on existing information 09 0901627 CAD083167841 FRESNO CHROME PLATING INC N N 00 OO SITE REASS 2 2015-07-01 04:00:00 2016-09-29 05:00:00 N EPA Perf
	Region: Site ID: EPA ID: Site Name: NPL: FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual: Current Action Lead: Region: Site ID: EPA ID: Site Name:	09 0901627 CAD083167841 FRESNO CHROME PLATING INC N N 00 PA PA 1 Not reported 1988-03-01 05:00:00 L EPA Perf 09 0901627 CAD083167841 FRESNO CHROME PLATING INC

NPL:

MAP FINDINGS

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Database(s)

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual: Current Action Lead: Region: Site ID: EPA ID: Site Name: NPL: FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual: Current Action Lead: Region: Site ID: EPA ID: Site Name: NPL: FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual: Current Action Lead: Region: Site ID: EPA ID: Site Name: NPL: FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual: Current Action Lead:

Ν 00 DS DISCVRY 1987-11-01 05:00:00 1987-11-01 05:00:00 Not reported St Perf 09 0901627 CAD083167841 FRESNO CHROME PLATING INC Ν Ν 00 VA OTHR CLEANUP 1 2008-05-12 04:00:00 Not reported Not reported St Perf 09 0901627 CAD083167841 FRESNO CHROME PLATING INC N Ν 00 00 SITE REASS 1 2000-11-17 05:00:00 2008-05-12 04:00:00 L St Perf 09 0901627 CAD083167841 FRESNO CHROME PLATING INC Ν Ν 00 SI SI 1 Not reported 1989-07-13 04:00:00 н St Perf

Database(s) E

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

RCRA-SQG:		
Date Form Received by Agency:		19960901
Handler Name:	FRESNO CHROME PLATING,	INC
Handler Address:		4627 N BENDEL AVE
Handler City,State,Zip:		FRESNO, CA 93711
EPA ID:		CAD083167841
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description	1:	Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		
Mailing Address.		
Maning City, State, Zip.		Not reported
Owner Type:		Not reported
Operator Name:		
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exem	ption:	No
Smelting Melting and Refining Furna	ce Exemption:	No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Store	age and Disposal Facility:	Not reported
Active Site Converter Treatment stor	age and Disposal Facility:	Not reported
Active Site State-Reg Treatment Sto	rage and Disposal Facility:	Not reported
Active Site State-Reg Handler:		
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indic	ator:	NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Typ	De:	Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPKA Kenewals Baseline:		Not on the Baseline
Permit Worklood Universe		Not reported
Permit Workload Universe:		Not reported
Post-Closure Workload Universa:		Not reported
Closure Workload Universe		Not reported
Cissure mentioda entreise.		

Database(s)

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator: Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: Owner/Operator Fax: Owner/Operator Email:

Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Date Ended Current: Owner/Operator Address: Owner/Operator City,State,Zip: Owner/Operator Telephone: Owner/Operator Telephone Ext: Owner/Operator Fax: Owner/Operator Email:

Owner/Operator Indicator: Owner/Operator Name: Legal Status: Date Became Current: Owner MORGAN RICHARD Private Not reported Not reported NOT REQUIRED NOT REQUIRED, ME 99999 415-555-1212 Not reported Not reported Not reported

Operator NOT REQUIRED Private Not reported NOT REQUIRED NOT REQUIRED, ME 99999 415-555-1212 Not reported Not reported Not reported

Operator NOT REQUIRED Private Not reported

Not reported NOT REQUIRED

Map ID Direction Distance Elevation Site

FRESNO CHROME PLATING, INC (Continued)

Date Ended Current:

Owner/Operator Address:

Database(s)

EDR ID Number EPA ID Number

Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999 Owner/Operator Telephone: 415-555-1212 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported Historic Generators: Receive Date: 19960901 FRESNO CHROME PLATING, INC Handler Name: Federal Waste Generator Description: Large Quantity Generator State District Owner: CA Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported Receive Date: 19960901 FRESNO CHROME PLATING, INC Handler Name: Federal Waste Generator Description: Small Quantity Generator State District Owner: CA Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: Yes Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported Receive Date: 19860303 FRESNO CHROME PLATING, INC Handler Name: Federal Waste Generator Description: Large Quantity Generator State District Owner: CA Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported List of NAICS Codes and Descriptions: NAICS Code: 332813 ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING NAICS Description:

Facility Has Received Notices of Violation:	
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General

Database(s)

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

Date Violation was Determined:		19860331
Actual Return to Compliance Date:		19860402
Return to Compliance Qualifier:		Observed
Violation Responsible Agency:		State
Scheduled Compliance Date:		Not reported
Enforcement Identifier:		001
Date of Enforcement Action:		19860402
Enforcement Responsible Agency:		State
Enforcement Docket Number:		Not reported
Enforcement Attorney:		R9
Corrective Action Component:		No
Appeal Initiated Date:		Not reported
Appeal Resolution Date:		Not reported
Disposition Status Date:		Not reported
Disposition Status:		Not reported
Disposition Status Description:		Not reported
Consent/Final Order Sequence Num	nber:Not reported	
Consent/Final Order Respondent Na	ame:	Not reported
Consent/Final Order Lead Agency:		Not reported
Enforcement Type:	WRITTEN INFOR	MAL
Enforcement Responsible Person:		R9
Enforcement Responsible Sub-Orga	anization:	Not reported
SEP Sequence Number:	Not reported	
SEP Expenditure Amount:		Not reported
SEP Scheduled Completion Date:		Not reported
SEP Actual Date:		Not reported
SEP Defaulted Date:		Not reported
SEP Type:		Not reported
SEP Type Description:		Not reported
Proposed Amount:		Not reported
Final Monetary Amount:		Not reported
Paid Amount:		Not reported
Final Count:		Not reported
Final Amount:		Not reported
aluation Action Summary:		
Evaluation Data:		10960221

Evaluation Action Summary: Evaluation Date: Evaluation Responsible Agency: Found Violation: Evaluation Type Description: Evaluation Responsible Person Identifier: Evaluation Responsible Sub-Organization: Actual Return to Compliance Date: Scheduled Compliance Date: Date of Request: Date Response Received: Request Agency: Former Citation:

19860331 State Yes COMPLIANCE EVALUATION INSPECTION ON-SITE R9 Not reported 19860402 Not reported Not reported Not reported Not reported Not reported Not reported Not reported

RESPONSE:

Name: Address: City,State,Zip: Facility ID: Site Type: FRESNO CHROME PLATING, INC 4627 NORTH BENDEL AVENUE FRESNO, CA 93722 10340008 State Response

Database(s)

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

Site Type Detail: Acres: National Priorities List: Cleanup Oversight Agencies: Lead Agency Description: Project Manager: Supervisor: Division Branch: Site Code: Site Mgmt. Req.: Assembly: Senate: Senate:	State Response or NPL 0.25 NO SMBRP, US EPA, FRESNO COUNTY US EPA Joseph Ernest Kevin Shaddy Cleanup San Joaquin 100878 NONE SPECIFIED 23 08 * CEPC2
Statue:	No Europ
Status Data:	
Status Date:	00/19/2000
Funding:	NO Posponsible Party
Latitudo:	
Longitude:	-110 8703
AFIN. Dast Lise	METAL FINISHING METAL PLATING - CHROME
Potential COC :	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description	NMA
Alias Name:	CAD083167841
Alias Type:	EPA Identification Number
Alias Name:	110002661192
Alias Type:	EPA (FRS #)
Alias Name:	101867
Alias Type:	Site Code - Historical
Alias Name:	CAD083167841
Alias Type:	HWTS Identification Code
Alias Name:	100878
Alias Type:	Project Code (Site Code)
Alias Name:	10340008
Alias Type:	Envirostor ID Number
Completed Info: Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Site Inspection (SI) Report 12/08/1988 SITE INSP DONE. EPA RECOMMENDATION IS FOR LISTING SITE INSPECTION. DHS RECOMMENDS HAZARD RANKING.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Preliminary Assessment Report 10/21/1987 PRELIM ASSESS DONE. STATE RECOMMENDATION FOR SI MEDIUM PRIORITY.
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported *Correspondence - Received 04/10/2007 Info letter prepared & mailed. 4/10/07
Completed Area Name:	PROJECT WIDE

Database(s)

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

Completed Sub Area Nar	ne: Not reported
Completed Document Ty	pe: Fieldwork
Completed Date:	02/14/2008
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Nar	me: Not reported
Completed Document Ty	pe: Preliminary Endangerment Assessment Report
Completed Date:	08/06/2008
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Nai	ne: Not reported
Completed Document Ty	pe: * Discovery
Completed Date:	01/04/1982
Comments:	FACILITY IDENTIFIED FROM PHONE BOOK
Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Nam Schedule Document Typ Schedule Due Date: Schedule Revised Date:	Not reported Not reported Not reported Not reported e: Not reported e: Not reported Not reported Not reported Not reported Not reported
ENVIROSTOR: Name: Address: City,State,Zip: Facility ID: Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch: Assembly: Senate: Special Program: Restricted Use: Site Mgmt Req: Funding: Latitude: Longitude: APN: Past Use: Potential COC: Confirmed COC: Potential Description:	FRESNO CHROME PLATING, INC 4627 NORTH BENDEL AVENUE FRESNO, CA 93722 10340008 No Further Action 08/19/2008 100878 State Response State Response or NPL 0.25 NO SMBRP, US EPA, FRESNO COUNTY US EPA Joseph Ernest Kevin Shaddy Cleanup San Joaquin 23 08 * CERC2 NO NONE SPECIFIED Responsible Party 36.80473 -119.8703 NONE SPECIFIED METAL FINISHING, METAL PLATING - CHROME NONE SPECIFIED No Contaminants found NOA

Database(s)

FRESNO CHROME PLATING, INC	(Continued)	1000383514
Alias Name:	CAD083167841	
Alias Type:	EPA Identification Number	
Alias Name:	110002661192	
Alias Type:	EPA (FRS #)	
Alias Name:	101867	
Alias Type:	Site Code - Historical	
Alias Name:	CAD083167841	
Alias Type:	HWTS Identification Code	
Alias Name:	100878	
Alias Type:	Project Code (Site Code)	
Alias Name:	10340008	
Alias Type:	Envirostor ID Number	
Completed Info:		
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	*Site Inspection (SI) Report	
Completed Date:	12/08/1988	
Comments:	SITE INSP DONE. EPA RECOMMENDATION IS FOR LISTING SI	TE INSPECTION.
	DHS RECOMMENDS HAZARD RANKING.	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Preliminary Assessment Report	
Completed Date:	10/21/1987	
Comments:	PRELIM ASSESS DONE. STATE RECOMMENDATION FOR SI M	IEDIUM PRIORITY.
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	*Correspondence - Received	
Completed Date:	04/10/2007	
Comments:	Info letter prepared & mailed. 4/10/07	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	Fieldwork	
Completed Date:	02/14/2008	
Comments:	Not reported	
O surpluted Area Niews		
Completed Area Name.	PROJECT WIDE	
Completed Sub Area Name:	Reliminary Endergerment Assessment Benert	
Completed Document Type.		
Comments:	Not reported	
oonments.	Notreported	
Completed Area Name:	PROJECT WIDE	
Completed Sub Area Name:	Not reported	
Completed Document Type:	* Discovery	
Completed Date:	01/04/1982	
Comments:	FACILITY IDENTIFIED FROM PHONE BOOK	
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	

Database(s)

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

Schedule Due Date:	Not re	eported	
Schedule Revised Date:	Not re	eported	
Calsite:			
Name:	FRESNO CHROME PLATING, INC		
Address:	4627 NORTH BENDEL AVENUE		
City:	FRESNO		
Region:	SACRAME	INTO	
Facility ID:	10340008		
Facility Type:	RP		
Type:	RESPONS	SIBLE PARTY	
Branch:	CC		
Branch Name:	CENTRAL CALIFORNIA		
File Name.		eu	
State Senate District:			
Status.	BACKLOG, POTENTIAL ANNUAL WORKPLAN (AWP) SITE		
Lead Agency:	N/A	- FOTENTIAL AWF SITE	
NDI ·	Not report	be	
SIC Code	34	eu	
SIC Name:	MANIL-F	ABRICATED METAL PRODUCTS	
Access:	Controlled		
Cortese:	Not reporte	he	
Hazardous Ranking Scor	e:	Not reported	
Date Site Hazard Ranked	1:	Not reported	
Groundwater Contaminat	ion:	Not reported	
Staff Member Responsib	le for Site:	Not reported	
Supervisor Responsible f	or Site:	Not reported	
Region Water Control Bo	ard:	CV	
Region Water Control Bo	ard Name:	CENTRAL VALLEY	
Lat/Long Direction:		Not reported	
Lat/Long (dms):		000/000	
Lat/long Method:		Not reported	
Lat/Long Description:		Not reported	
State Assembly District C	ode:	31	
State Senate District Coc	le:	14	
Facility ID:		10340008	
Activity:		DISC	
Activity Name:		DISCOVERY	
AWP Code:		Not reported	
Proposed Budget:		0	
AWP Completion Date:		Not reported	
Revised Due Date:		Not reported	
Comments Date:		01041982	
Est Person-Yrs to comple	ete:	U Net new sets d	
Estimated Size:		Not reported	
Activity Status	y:		
Activity Status:		DALG BACKLOC DOTENTIAL AWD SITE	
Liquide Removed (Gale):		ACKLOG - POTENTIAL AWP SITE	
Liquids Treated (Gals):		0	
Action Included Capping:		Not reported	
Well Decommissioned		Not reported	
Action Included Fencing		Not reported	
Removal Action Certificat	ion:	Not reported	
Activity Comments:		Not reported	
For Commercial Reuse:		0	

Database(s)

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: 10340008 Activity: SI SITE INSPECTION Activity Name: AWP Code: Not reported Proposed Budget: 0 AWP Completion Date: Not reported Revised Due Date: Not reported 12081988 Comments Date: Est Person-Yrs to complete: 0 Estimated Size: Not reported Request to Delete Activity: Not reported Activity Status: BKLG Definition of Status: **BACKLOG - POTENTIAL AWP SITE** Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Well Decommissioned: Not reported Action Included Fencing: Not reported **Removal Action Certification:** Not reported Activity Comments: Not reported For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Facility ID: 10340008 Activity: PRP POTENTIAL RESPONSIBLE PARTY SEARCH Activity Name: AWP Code: Not reported Proposed Budget: 0 AWP Completion Date: Not reported Not reported Revised Due Date: 06152000 Comments Date: Est Person-Yrs to complete: 0 Not reported Estimated Size: Request to Delete Activity: Not reported BKLG Activity Status: **BACKLOG - POTENTIAL AWP SITE** Definition of Status: Liquids Removed (Gals): 0 Liquids Treated (Gals): 0 Action Included Capping: Not reported Not reported Well Decommissioned: Action Included Fencing: Not reported **Removal Action Certification:** Not reported Activity Comments: Not reported For Commercial Reuse: 0 For Industrial Reuse: 0 For Residential Reuse: 0 Unknown Type: 0 Alternate Address: 4627 NORTH BENDEL AVENUE FRESNO, CA 93722 Alternate City, St, Zip: Background Info: Not reported Comments Date: 01041982 FACILITY IDENTIFIED FROM PHONE BOOK Comments: Comments Date: 01161990

Database(s)

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

1000383514

Comments: ON CORTESE LIST. 03041982 Comments Date: QUESTIONNAIRE SENT Comments: Comments Date: 05021986 Comments: VIOLATION DETECTED FAILURE TO PROVIDE A BIENNIAL REPORT, Comments Date: 05021986 Comments: UNLABELED HAZARDOUS WASTE CONTAINERS ONSITE, STORAGE OF Comments Date: 05021986 HAZARDOUS WASTE OVER 90 DAYS, NO WRITTEN CONTINGENCY PLAN. Comments: Comments Date: 06152000 PRP - Conducted a PRP search to determine if this is a potential Comments: Comments Date: 06152000 orphan share site. Comments: 07021982 Comments Date: Comments: PHONE F-U. FROMERLY RINSE WATER DRAINED Comments Date: 07021982 TO CESSPOOL, CURRENTLY PUMPED INTO SEWER Comments: Comments Date: 09151997 Comments: SS/EPA -- DTSC completed a Site Screening Prioritization under Comments Date: 09151997 the PA/SI Cooperative Agreement with USEPA. The SS recommended Comments: Comments Date: 09151997 Comments: further site investigation on a high priority. USEPA Comments Date: 09151997 Comments: concurred with the recommendation. USEPA will be the lead Comments Date: 09151997 Comments: for the next sampling event (Expanded Site Inspection). Comments Date: 09221982 INSPECTION(STATE) ASP INSP. CHROME PLATING PROCESSERS. USE Comments: Comments Date: 09221982 NICKLE SULFATE, COPPER CYAN.& CHROME Comments: Comments Date: 09221982 RINSEWATER INTO CITY SEWER. Comments: Comments Date: 10211982 SITE REFERRED: TO HWMB/ENF FINAL STRATEGY Comments: Comments Date: 10211987 PRELIM ASSESS DONE. STATE RECOMMENDATION FOR SI MEDIUM PRIORITY. Comments: Comments Date: 12081988 SITE INSP DONE. EPA RECOMMENDATION IS FOR LISTING SITE Comments: Comments Date: 12081988 INSPECTION. DHS RECOMMENDS HAZARD RANKING. Comments: Comments Date: 12311987 Comments: PA SENT TO EPA WITH SI MEDIUM PRIORITY RECOMMENDATION. ID Name: HWIS IDENTIFICATION CODE CAD083167841 ID Value: ID Name: EPA IDENTIFICATION NUMBER ID Value: CAD083167841 ID Name: CALSTARS CODE ID Value: 100878 Alternate Name: FRESNO CHROME PLATING, INC Alternate Name: Not reported Special Programs Code: CERC2 Special Programs Name: CERCLA II

FINDS:

Registry ID:

Database(s)

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

Click Here:

Environmental Interest/Information System:

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor 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. 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.

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

FRESNO CHROME PLATING

4627 N BENDEL

ECHO:

Envid: Registry ID: DFR URL: Name: Address: City,State,Zip: 1000383514 110002661192 http://echo.epa.gov/detailed-facility-report?fid=110002661192 FRESNO CHROME PLATING 4627 N BENDEL AVE FRESNO, CA 93722

CUPA FRESNO:

Name: Address: City,State,Zip: Region: Cross Street: Facility ID: APM Number: Program Element:

HAZNET:

Name: Address: Address 2: City,State,Zip: Contact: Telephone: Mailing Name: Mailing Address:

Year: Gepaid: TSD EPA ID: CA Waste Code: Disposal Method: Tons: FRESNO, CA 93711 FRESNO Not reported FA0267739 51043408 FORMER CONTAMINATED SITE/NO FURTHER ACTION

> FRESNO CHROME PLATING, INC 4627 N BENDEL AVE Not reported FRESNO, CA 937110000 UNDELIVERABLE PER 93 & 94 FEES

Not reported 4627 N BENDEL AVE

1993 CAD083167841 CAD083166728 223 - Unspecified oil-containing waste R01 - Recycler 11.259

Database(s)

EDR ID Number **EPA ID Number**

1000383514

FRESNO CHROME PLATING, INC (Continued)

Year: Gepaid: TSD EPA ID: CA Waste Code: **Disposal Method:** Tons: Year: Gepaid: TSD EPA ID: CA Waste Code: **Disposal Method:** Tons: Year: Gepaid: TSD EPA ID: CA Waste Code: **Disposal Method:** Tons: Year: Gepaid: TSD EPA ID: CA Waste Code: **Disposal Method:** Tons: Year: Gepaid: TSD EPA ID: CA Waste Code: **Disposal Method:** Tons: Year: Gepaid: TSD EPA ID: CA Waste Code: **Disposal Method:** Tons: Year: Gepaid: TSD EPA ID: CA Waste Code: **Disposal Method:** Tons: Year: Gepaid: TSD EPA ID: CA Waste Code: **Disposal Method:** Tons: Year:

1993 CAD083167841 CAD097030993 791 - Liquids with pH <= 2 T01 - Treatment, Tank 1.7514 1993 CAD083167841 CAD097030993 135 - Unspecified aqueous solution T01 - Treatment, Tank 1.617 1993 CAD083167841 IDD073114654 181 - Other inorganic solid waste 12.642 1993 CAD083167841 IDD073114654 181 - Other inorganic solid waste D80 - Disposal, Land Fill 25.284 1992 CAD083167841 NDC000648451 181 - Other inorganic solid waste 1.8 1991 CAD083167841 CAT000646117 171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals) 1 1990 CAD083167841 CAT000646117 171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals) 2 1988 CAD083167841 CAT000646117 171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals) UNK -2.2

Gepaid:

Tons:

TSD EPA ID:

CA Waste Code:

Disposal Method:

MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number**

FRESNO CHROME PLATING, INC (Continued) CAD083167841 CAT000646117 .

Click this hyperlink while viewing on your computer to access additional CA HAZNET: detail in the EDR Site Report.

03 -

2.06

Additional Info:	
Year:	1993
Gen EPA ID:	CAD083167841
Shipment Date:	19930404
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930405
Manifest ID:	92484815
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	1.7514
Waste Quantity:	420
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930404
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930405
Manifest ID:	92484815
Trans EPA ID:	CAD000603738
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	1.155
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported

Not reported

Database(s)

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date:

Creation Date: Receipt Date: Manifest ID: Not reported Not reported Not reported 19930404 9/6/1995 0:00:00 19930405 92484815 CAD000603738 Not reported Not reported Not reported CAD097030993 Not reported Not reported Not reported 135 - Unspecified aqueous solution D002 T01 - Treatment, Tank 0.462 110 G Not reported Not reported Not reported Not reported Not reported 19930325 9/6/1995 0:00:00 19930329 92484817 CAT000624247 Not reported Not reported Not reported IDD073114654 Not reported Not reported Not reported 181 - Other inorganic solid waste Organics Not reported - Not reported 12.642 15 Y Not reported Not reported Not reported Not reported Not reported 19930319 9/1/1995 0:00:00 19930323 92484822

CAD981982663

Not reported

Not reported

Not reported

IDD073114654 Not reported

IDD073114654

181 - Other inorganic solid waste Organics

Not reported

25.284

30

Y

D80 - Disposal, Land Fill

Database(s) E

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: Shipment Date: Creation Date: Receipt Date: Manifest ID: Trans EPA ID: Trans Name: Trans 2 EPA ID: Trans 2 Name: TSDF EPA ID: Trans Name: TSDF Alt EPA ID: TSDF Alt Name: Waste Code Description: RCRA Code: Meth Code: Quantity Tons: Waste Quantity: Quantity Unit: Additional Code 1: Additional Code 2: Additional Code 3: Additional Code 4: Additional Code 5: HIST CORTESE: edr_fname:

ST CORTESE: edr_fname: edr_fadd1: City,State,Zip: Region: Facility County Code: Reg By: Reg Id:

19930317 9/1/1995 0:00:00 19930317 92484823 CAT080011059 Not reported Not reported Not reported CAD083166728 Not reported CAD083166728 Not reported 223 - Unspecified oil-containing waste Not reported R01 - Recycler 11.259 2700 G Not reported Not reported Not reported Not reported Not reported

FRESNO CHROME PLATING, IN 4627 BENDEL FRESNO, CA 93711 CORTESE 10 CALSI 10340008

HWTS:

Name: Address: FRESNO CHROME PLATING, INC 4627 N BENDEL AVE

Database(s)

EDR ID Number EPA ID Number

FRESNO CHROME PLATING, INC (Continued)

Address 2: City,State,Zip: EPA ID: Inactive Date: Create Date: Last Act Date: Mailing Name: Mailing Address: Mailing Address 2: Mailing City, State, Zip: **Owner Name:** Owner Address: Owner Address 2: Owner City, State, Zip: Contact Name: Contact Address: Contact Address 2: City,State,Zip: Name: Address: Address 2: City,State,Zip: EPA ID: Inactive Date: Create Date: Last Act Date: Mailing Name: Mailing Address: Mailing Address 2: Mailing City, State, Zip: Owner Name: **Owner Address:** Owner Address 2: Owner City, State, Zip: Contact Name: Contact Address: Contact Address 2: City,State,Zip: NAICS: EPA ID: Create Date: NAICS Code: NAICS Description: Issued EPA ID Date: Inactive Date: Facility Name: Facility Address: Facility Address 2: Facility City: Facility County: Facility State: Facility Zip:

Not reported FRESNO, CA 937110000 CAD083167841 06/30/1994 04/10/1987 09/14/2004 Not reported 4627 N BENDEL AVE Not reported FRESNO, CA 937110000 ------Not reported --, 99 --UNDELIVERABLE PER 93 & 94 FEES Not reported --. 99 --ZARATE'S AUTO SALES 4627 N BENDEL AVE Not reported **FRESNO. CA 93722** CAL000379553 06/30/2013 11/05/2012 03/26/2014 Not reported 4627 N BENDEL AVE Not reported FRESNO, CA 93722 MANUAL ZARATE 4627 N BENDEL AVE Not reported FRESNO, CA 93722 JESUS ZARATE 4627 N BENDEL AVE Not reported **FRESNO, CA 93722** CAL000379553 2012-11-05 16:23:40.927 811121 Automotive Body, Paint, and Interior Repair and Maintenance 2012-11-05 16:23:40.92700 2013-06-30 00:00:00 ZARATE'S AUTO SALES 4627 N BENDEL AVE Not reported FRESNO Not reported CA 93722

Count: 1 records.			ORPHAN SUMMARY			
City	EDR ID	Site Name		Site Address	Zip	Database(s)
FRESNO	S113407675			HAYES AVE, SOUTH OF ASHLAN AVE	93723	CDL

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: 07/29/2021 Date Data Arrived at EDR: 08/04/2021 Date Made Active in Reports: 08/31/2021 Number of Days to Update: 27 Source: EPA Telephone: N/A Last EDR Contact: 11/05/2021 Next Scheduled EDR Contact: 01/10/2022 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 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665 EPA Region 6 Telephone: 214-655-6659

EPA Region 7 Telephone: 913-551-7247

EPA Region 8 Telephone: 303-312-6774

EPA Region 9 Telephone: 415-947-4246

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: 07/29/2021 Date Data Arrived at EDR: 08/04/2021 Date Made Active in Reports: 08/31/2021 Number of Days to Update: 27 Source: EPA Telephone: N/A Last EDR Contact: 11/05/2021 Next Scheduled EDR Contact: 01/10/2022 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: 07/29/2021 Date Data Arrived at EDR: 08/04/2021 Date Made Active in Reports: 08/31/2021 Number of Days to Update: 27 Source: EPA Telephone: N/A Last EDR Contact: 11/05/2021 Next Scheduled EDR Contact: 01/10/2022 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: 05/25/2021 Date Data Arrived at EDR: 06/24/2021 Date Made Active in Reports: 09/20/2021 Number of Days to Update: 88 Source: Environmental Protection Agency Telephone: 703-603-8704 Last EDR Contact: 10/01/2021 Next Scheduled EDR Contact: 01/10/2022 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: 07/29/2021 Date Data Arrived at EDR: 08/04/2021 Date Made Active in Reports: 08/31/2021 Number of Days to Update: 27 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 11/05/2021 Next Scheduled EDR Contact: 01/24/2022 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: 07/29/2021 Date Data Arrived at EDR: 08/04/2021 Date Made Active in Reports: 08/31/2021 Number of Days to Update: 27 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 11/05/2021 Next Scheduled EDR Contact: 01/24/2022 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: 09/13/2021	Source: EPA
Date Data Arrived at EDR: 09/15/2021	Telephone: 800-424-9346
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/03/2022
	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: 09/13/2021 Date Data Arrived at EDR: 09/15/2021 Date Made Active in Reports: 10/12/2021 Number of Days to Update: 27 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 09/15/2021 Next Scheduled EDR Contact: 01/03/2022 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: 09/13/2021 Date Data Arrived at EDR: 09/15/2021 Date Made Active in Reports: 10/12/2021 Number of Days to Update: 27 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 09/15/2021 Next Scheduled EDR Contact: 01/03/2022 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: 09/13/2021 Date Data Arrived at EDR: 09/15/2021 Date Made Active in Reports: 10/12/2021 Number of Days to Update: 27 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 09/15/2021 Next Scheduled EDR Contact: 01/03/2022 Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators) RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021 Date Data Arrived at EDR: 09/15/2021 Date Made Active in Reports: 10/12/2021 Number of Days to Update: 27 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 09/15/2021 Next Scheduled EDR Contact: 01/03/2022 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: 07/12/2021Source: Department of the NavyDate Data Arrived at EDR: 08/06/2021Telephone: 843-820-7326Date Made Active in Reports: 10/22/2021Last EDR Contact: 11/08/2021Number of Days to Update: 77Next Scheduled EDR Contact: 02/21/2022Data 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: 08/23/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/23/2021	Telephone: 703-603-0695
Date Made Active in Reports: 11/12/2021	Last EDR Contact: 08/23/2021
Number of Days to Update: 81	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/23/2021 Date Data Arrived at EDR: 08/23/2021 Date Made Active in Reports: 11/12/2021 Number of Days to Update: 81 Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 08/23/2021 Next Scheduled EDR Contact: 12/06/2021 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: 06/14/2021 Date Data Arrived at EDR: 06/17/2021 Date Made Active in Reports: 08/17/2021 Number of Days to Update: 61 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 09/21/2021 Next Scheduled EDR Contact: 01/03/2022 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: 07/22/2021	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/22/2021	Telephone: 916-323-3400
Date Made Active in Reports: 10/08/2021	Last EDR Contact: 10/26/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/07/2022
	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: 07/22/2021 Date Data Arrived at EDR: 07/22/2021 Date Made Active in Reports: 10/08/2021 Number of Days to Update: 78 Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 10/26/2021 Next Scheduled EDR Contact: 02/07/2022 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 inventory 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: 08/09/2021 Date Data Arrived at EDR: 08/10/2021 Date Made Active in Reports: 11/05/2021 Number of Days to Update: 87 Source: Department of Resources Recycling and Recovery Telephone: 916-341-6320 Last EDR Contact: 11/09/2021 Next Scheduled EDR Contact: 02/21/2022 Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 4: Underground Storage Tank Leak Lis Los Angeles, Ventura counties. For more curr Board's LUST database.	st rent information, please refer to the State Water Resources Control
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: Leaking Underground Fuel Tank Report (Gi Leaking Underground Storage Tank (LUST) S system for sites that impact, or have the poter	EOTRACKER) Sites included in GeoTracker. GeoTracker is the Water Boards data management ntial to impact, water quality in California, with emphasis on groundwater.
Date of Government Version: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/24/2021 Number of Days to Update: 82	Source: State Water Resources Control Board Telephone: see region list Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Quarterly
LUST REG 9: Leaking Underground Storage Tank Orange, Riverside, San Diego counties. For n Control Board's LUST database.	Report nore current information, please refer to the State Water Resources
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 8: Leaking Underground Storage Tank California Regional Water Quality Control Board's to the State Water Resources Control Board's	s ard Santa Ana Region (8). For more current information, please refer s LUST database.
Date of Government Version: 02/14/2005 Date Data Arrived at EDR: 02/15/2005 Date Made Active in Reports: 03/28/2005 Number of Days to Update: 41	Source: California Regional Water Quality Control Board Santa Ana Region (8) Telephone: 909-782-4496 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned
LUST REG 7: Leaking Underground Storage Tank Leaking Underground Storage Tank locations	Case Listing . Imperial, Riverside, San Diego, Santa Barbara counties.
Date of Government Version: 02/26/2004 Date Data Arrived at EDR: 02/26/2004 Date Made Active in Reports: 03/24/2004 Number of Days to Update: 27	Source: California Regional Water Quality Control Board Colorado River Basin Region (7) Telephone: 760-776-8943 Last EDR Contact: 08/01/2011 Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned
LUST REG 5: Leaking Underground Storage Tank Leaking Underground Storage Tank locations Dorado, Fresno, Glenn, Kern, Kings, Lake, La Sacramento, San Joaquin, Shasta, Solano, S	Database J. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Jassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, tanislaus, 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 3: 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: 06/19/2003 Number of Days to Update: 14 Source: California Regional Water Quality Control Board Central Coast Region (3) Telephone: 805-542-4786 LUST REG 2: Fuel Leak List Leaking Underground Storage Tank locations. Last EDR Contact: 07/18/2011 Number of Days to Update: 14 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: 0/19/2011 Number of Days to Update: 30 LUST REG 1: Active Toxic Site Investigation Dele 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 Data Arrived at EDR: 02/28/2001 Date Made Active in Reports: 03/29/2001 Date Made Active in Reports: 03/29/2001 Date Made Active and 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 Last EDR Contact: 08/01/2011 Number of Days to Update: 29 Source: California Regional Water Quality Control Board North Coast (1) Telephone: 707-570-3769 Last EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned LUST REG 6V: Leaking Underground Storage Tank Case Listing Leaking Underground Storage Tank Case Listing Leaking Underground Storage Tank Case Listing For more current information, please	
Date of Government Version: 05/19/2003 Date Made Active in Reports: 06/07/2004 Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.Source: California Regional Water Quality Control Board Central Coast Region (3) Telephone: 805-542-4766 Date Made Active in Reports: 06/07/2004 Date Of Government Version: 09/30/2004 Date Made Active in Reports: 06/07/2004 Date Data Arrived at EDR: 10/20/2004 Date Data Arrived at EDR: 10/20/2004 Number of Days to Update: 30Source: California Regional Water Quality Control Board San Francisco Bay Region (2) Telephone: 510-622-2433 Last EDR Contact: 09/13/2011 Number of Days to Update: 30Source: California Regional Water Quality Control Board San Francisco Bay Region (2) Telephone: 510-622-2433 Last EDR Contact: 09/13/2011 Number of Days to Update: 30Source: California Regional Water Quality Control Board San Francisco Bay Region (2) Telephone: 510-622-2433 Last EDR Contact: 09/13/2011 Number of Days to Update: 30Source: California Regional Water Quality Control Board San Francisco Bay Region (2) Telephone: 510-622-2433 Last EDR Contact: 09/13/2011 Number of Days to Update: 30LUST REG 1: Active Toxic Site Investigation Date Made Active in Reports: 03/20/2004 Date Made Active in Reports: 06/07/2005 Date Made Active in Reports: 06/07/2005 Dat	
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 Source: California Regional Water Quality Control Board San Francisco Bay Region (2) Date of Government Version: 09/30/2004 Source: California Regional Water Quality Control Board San Francisco Bay Region (2) Date Data Arrived at EDR: 11/19/2004 Last EDR Contact: 01/02/2012 Date Made Active in Reports: 11/19/2004 Last EDR Contact: 01/02/2012 Data Release Frequency: No Update Planned Next Scheduled EDR Contact: 01/02/2012 Date of Government Version: 02/01/2001 Source: California Regional Water Quality Control Board North Coast (1) Date of Government Version: 02/01/2001 Source: California Regional Water Quality Control Board North Coast (1) Date of Government Version: 02/01/2001 Source: California Regional Water Quality Control Board North Coast (1) Date Made Active in Reports: 03/29/2001 Last EDR Contact: 01/1/4/2011 Number of Days to Update: 29 Next Scheduled EDR Contact: 11/14/2011 Date Release Frequency: No Update Planned Source: California Regional Water Quality Control Board Victorville Branch Office (6) Date of Government Version: 06/07/2005 Source: California Regional Water Quality Control Board Victorville Branch Office (6) Date	
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: 30Source: California Regional Water Quality Control Board San Francisco Bay Region (2) Telephone: 510-622-2433 Date Made Active in Reports: 11/19/2004 Date Nade Active Toxic Site Investigation Del Norte, Humboldt, Lake, Mendocino, Modoc, Sikiyou, 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 Made Active in Reports: 03/29/2001 Number of Days to Update: 29Source: California Regional Water Quality Control Board North Coast (1) Telephone: 707-570-3769 Last EDR Contact: 08/01/2011 Next Scheduled EDR Contact: 01/02/2011 Next Scheduled EDR Contact: 01/01/2011 Date Made Active in Reports: 03/29/2001 Last EDR Contact: 08/01/2011 Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update PlannedLUST REG 6V: Leaking Underground Storage Tank Case Listing Leaking Underground Storage Tank locations.Source: California Regional Water Quality Control Board Victorville Branch Office (6) Telephone: 700-241-7365 Date Made Active in Reports: 06/07/2005 Date Made Active in Reports: 06/29/2005Source: California Regional Water Quality Control Board Victorville Branch Office (6) Telephone: 700-241-7365 Last EDR Contact: 09/12/2011 Number of Days to Update: 22LUST 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 Date Data Arrived at EDR: 09/10/2003 Date Data Arrived at EDR: 09/10/2003 Date Data Arr	
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 Date Made Active in Reports: 03/29/2001 Number of Days to Update: 29 Next Scheduled EDR Contact: 08/01/2011 Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned LUST REG 6V: Leaking Underground Storage Tank Case Listing Leaking Underground Storage Tank locations. 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 Data Arrived at EDR: 09/10/2003 Date Data Arrived at EDR: 09/10/2003 Date California Regional Water Quality Control Board Lahontan Region (6) Telephone: 530-542-5572 Last EDR Contact: 09/12/2011	
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: 29Source: 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 PlannedLUST REG 6V: Leaking Underground Storage Tank Case Listing Leaking Underground Storage Tank locations.Invo, 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: 22Source: 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 PlannedLUST 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 Least EDR Contact: 09/12/2011LUST 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 Data Arrived at EDR: 09/10/2003 Date Made Active in Reports: 10/07/2003Date Made Active in Reports: 10/07/2003 Date Made Active in Reports: 10/07/2003	
LUST REG 6V: Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties. Date of Government Version: 06/07/2005 Source: California Regional Water Quality Control Board Victorville Branch Office (6) Date Made Active in Reports: 06/29/2005 Source: California Regional Water Quality Control Board Victorville Branch Office (6) Number of Days to Update: 22 Last EDR Contact: 09/12/2011 Number of Days to Update: 22 Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned Data Release Frequency: No Update Planned LUST REG 6L: Leaking Underground Storage Tank Case Listing Source: California Regional Water Quality Control Board's LUST database. Date of Government Version: 09/09/2003 Source: California Regional Water Quality Control Board Lahontan Region (6) Telephone: 530-542-5572 Last EDR Contact: 09/12/2011	
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: 22Source: 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 	
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 Source: California Regional Water Quality Control Board Lahontan Region (6) Date Data Arrived at EDR: 09/10/2003 Source: 530-542-5572 Date Made Active in Reports: 10/07/2003 Last EDR Contact: 09/12/2011	
Date of Government Version: 09/09/2003Source: California Regional Water Quality Control Board Lahontan Region (6)Date Data Arrived at EDR: 09/10/2003Telephone: 530-542-5572Date Made Active in Reports: 10/07/2003Last EDR Contact: 09/12/2011	
Number of Days to Update: 27 Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned	
INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.	
Date of Government Version: 05/28/2021Source: EPA Region 4Date Data Arrived at EDR: 06/22/2021Telephone: 404-562-8677Date Made Active in Reports: 09/20/2021Last EDR Contact: 11/15/2021Number of Days to Update: 90Next Scheduled EDR Contact: 01/31/2022Data 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: 05/17/2021Source: EPA Region 6Date Data Arrived at EDR: 06/11/2021Telephone: 214-665-6597Date Made Active in Reports: 09/07/2021Last EDR Contact: 11/15/2021Number of Days to Update: 88Next Scheduled EDR Contact: 01/31/2022Data 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: 04/27/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021 Number of Days to Update: 88	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022 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: 04/06/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021 Number of Days to Update: 88	Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Varies	
INDIAN LUST R8: Leaking Underground Storage T LUSTs on Indian land in Colorado, Montana, N	anks on Indian Land Iorth Dakota, South Dakota, Utah and Wyoming.	
Date of Government Version: 05/27/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021 Number of Days to Update: 88	Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022 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: 05/27/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021 Number of Days to Update: 88	Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Varies	
INDIAN LUST R1: Leaking Underground Storage T A listing of leaking underground storage tank lo	anks on Indian Land ocations on Indian Land.	
Date of Government Version: 04/28/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021 Number of Days to Update: 88	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Varies	
INDIAN LUST R7: Leaking Underground Storage Table LUSTs on Indian land in Iowa, Kansas, and Ne	anks on Indian Land ebraska	
Date of Government Version: 06/01/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021 Number of Days to Update: 88	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022 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 guality in California, with emphasis on groundwater.		
Date of Government Version: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/24/2021 Number of Days to Update: 82	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021	

Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	eanup) program is designed to protect and restore water quality
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 The SLIC (Spills, Leaks, Investigations and Cleanup from spills, leaks, and similar discharges.	Cost Recovery Listing eanup) program is designed to protect and restore water quality
Date of Government Version: 09/30/2004 Date Data Arrived at EDR: 10/20/2004 Date Made Active in Reports: 11/19/2004 Number of Days to Update: 30	Source: Regional Water Quality Control Board San Francisco Bay Region (2) Telephone: 510-286-0457 Last EDR Contact: 09/19/2011 Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: No Update Planned
SLIC REG 3: Spills, Leaks, Investigation & Cleanup The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	Cost Recovery Listing eanup) program is designed to protect and restore water quality
Date of Government Version: 05/18/2006 Date Data Arrived at EDR: 05/18/2006 Date Made Active in Reports: 06/15/2006 Number of Days to Update: 28	Source: California Regional Water Quality Control Board Central Coast Region (3) Telephone: 805-549-3147 Last EDR Contact: 07/18/2011 Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: No Update Planned
SLIC REG 4: Spills, Leaks, Investigation & Cleanup The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	Cost Recovery Listing eanup) program is designed to protect and restore water quality
Date of Government Version: 11/17/2004 Date Data Arrived at EDR: 11/18/2004 Date Made Active in Reports: 01/04/2005 Number of Days to Update: 47	Source: Region Water Quality Control Board Los Angeles Region (4) Telephone: 213-576-6600 Last EDR Contact: 07/01/2011 Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: No Update Planned
SLIC REG 5: Spills, Leaks, Investigation & Cleanup The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	Cost Recovery Listing eanup) program is designed to protect and restore water quality
Date of Government Version: 04/01/2005 Date Data Arrived at EDR: 04/05/2005 Date Made Active in Reports: 04/21/2005 Number of Days to Update: 16	Source: Regional Water Quality Control Board Central Valley Region (5) Telephone: 916-464-3291 Last EDR Contact: 09/12/2011 Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned
SLIC REG 6V: Spills, Leaks, Investigation & Cleanu The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	p Cost Recovery Listing anup) program is designed to protect and restore water quality
Date of Government Version: 05/24/2005 Date Data Arrived at EDR: 05/25/2005 Date Made Active in Reports: 06/16/2005 Number of Days to Update: 22	Source: Regional Water Quality Control Board, Victorville Branch Telephone: 619-241-6583 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

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 Cl from spills, leaks, and similar discharges.	eanup) program is designed to protect and restore water quality	
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 The SLIC (Spills, Leaks, Investigations and Cl from spills, leaks, and similar discharges.	o Cost Recovery Listing leanup) program is designed to protect and restore water quality	
Date of Government Version: 04/03/2008 Date Data Arrived at EDR: 04/03/2008 Date Made Active in Reports: 04/14/2008 Number of Days to Update: 11	Source: California Region Water Quality Control Board Santa Ana Region (8) Telephone: 951-782-3298 Last EDR Contact: 09/12/2011 Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned	
SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.		
Date of Government Version: 09/10/2007 Date Data Arrived at EDR: 09/11/2007 Date Made Active in Reports: 09/28/2007 Number of Days to Update: 17	Source: California Regional Water Quality Control Board San Diego Region (9) Telephone: 858-467-2980 Last EDR Contact: 08/08/2011 Next Scheduled EDR Contact: 11/21/2011 Data Release Frequency: No Update Planned	
State and tribal registered storage tank lists		
FEMA UST: Underground Storage Tank Listing A listing of all FEMA owned underground stora	age tanks.	
Date of Government Version: 01/29/2021 Date Data Arrived at EDR: 02/17/2021 Date Made Active in Reports: 03/22/2021 Number of Days to Update: 33	Source: FEMA Telephone: 202-646-5797 Last EDR Contact: 11/01/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Varies	

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/03/2021	Source: SWRCB
Date Data Arrived at EDR: 06/03/2021	Telephone: 916-341-5851
Date Made Active in Reports: 08/24/2021	Last EDR Contact: 09/07/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/20/2021
	Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER) Military ust sites		
Date of Government Version: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/24/2021 Number of Days to Update: 82	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Varies	
UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.		
Date of Government Version: 05/20/2021 Date Data Arrived at EDR: 06/04/2021 Date Made Active in Reports: 08/30/2021 Number of Days to Update: 87	Source: State Water Resources Control Board Telephone: 916-327-7844 Last EDR Contact: 09/08/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Varies	
AST: Aboveground Petroleum Storage Tank Facilit A listing of aboveground storage tank petroleu	ies Im 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: 09/09/2021 Next Scheduled EDR Contact: 12/27/2021 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 Iand in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).		
Date of Government Version: 04/27/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021 Number of Days to Update: 88	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022 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: 04/06/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021 Number of Days to Update: 88	Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022 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: 04/28/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021 Number of Days to Update: 88	Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022	

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: 05/27/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021 Number of Days to Update: 88 Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022 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: 05/27/2021	Source: EPA Region 9
Date Data Arrived at EDR: 06/11/2021	Telephone: 415-972-3368
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 11/15/2021
Number of Davs to Update: 88	Next Scheduled EDR Contact: 01/31/2022
	Data Release Frequency: Varies

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: 05/28/2021 Date Data Arrived at EDR: 06/22/2021 Date Made Active in Reports: 09/20/2021 Number of Days to Update: 90 Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022 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: 05/17/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021 Number of Days to Update: 88 Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022 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: 06/01/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021 Number of Days to Update: 88 Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 01/31/2022 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	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

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: 07/22/2021	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/22/2021	Telephone: 916-323-3400
Date Made Active in Reports: 10/08/2021	Last EDR Contact: 10/26/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/07/2022
	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	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 09/15/2021
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/03/2022
· ·	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: 06/17/2021 Date Data Arrived at EDR: 06/17/2021 Date Made Active in Reports: 09/13/2021 Number of Days to Update: 88 Source: State Water Resources Control Board Telephone: 916-323-7905 Last EDR Contact: 09/21/2021 Next Scheduled EDR Contact: 01/03/2022 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: 06/10/2021 Date Data Arrived at EDR: 06/10/2021 Date Made Active in Reports: 08/17/2021 Number of Days to Update: 68 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 09/14/2021 Next Scheduled EDR Contact: 12/27/2021 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: 10/22/2021 Next Scheduled EDR Contact: 02/07/2022 Data Release Frequency: No Update Planned
SWF	RCY: Recycler Database A listing of recycling facilities in California.	
	Date of Government Version: 06/04/2021 Date Data Arrived at EDR: 06/04/2021 Date Made Active in Reports: 08/27/2021 Number of Days to Update: 84	Source: Department of Conservation Telephone: 916-323-3836 Last EDR Contact: 09/08/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Quarterly
HAU	LERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.	
	Date of Government Version: 11/23/2020 Date Data Arrived at EDR: 11/23/2020 Date Made Active in Reports: 02/08/2021 Number of Days to Update: 77	Source: Integrated Waste Management Board Telephone: 916-341-6422 Last EDR Contact: 11/05/2021 Next Scheduled EDR Contact: 02/21/2022 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: 10/22/2021 Next Scheduled EDR Contact: 02/07/2022 Data Release Frequency: Varies
DEB	RIS REGION 9: Torres Martinez Reservation III A listing of illegal dump sites location on the To County and northern Imperial County, California	egal Dump Site Locations rres Martinez Indian Reservation located in eastern Riverside a.
	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: 10/14/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: No Update Planned
ODI:	DDI: 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
IHS OPEN DUMPS: Open Dumps on Indian Land A listing of all open dumps located on Indian Land in the United States.		and 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: 10/28/2021 Next Scheduled EDR Contact: 02/07/2022 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: 05/18/2021	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 05/18/2021	Telephone: 202-307-1000
Date Made Active in Reports: 08/03/2021	Last EDR Contact: 08/17/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/06/2021
	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: 07/22/2021 Date Data Arrived at EDR: 07/22/2021 Date Made Active in Reports: 10/08/2021 Number of Days to Update: 78 Source: Department of Toxic Substances Control Telephone: 916-323-3400 Last EDR Contact: 10/26/2021 Next Scheduled EDR Contact: 02/07/2022 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: 12/31/2019 Date Data Arrived at EDR: 01/20/2021 Date Made Active in Reports: 04/08/2021 Number of Days to Update: 78 Source: Department of Toxic Substances Control Telephone: 916-255-6504 Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Varies

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: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: CalEPA Telephone: 916-323-2514 Last EDR Contact: 10/19/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Quarterly

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

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 05/18/2021	Telephone: 202-307-1000
Date Made Active in Reports: 08/03/2021	Last EDR Contact: 08/17/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/04/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/04/2021	Telephone: 866-480-1028
Date Made Active in Reports: 08/27/2021	Last EDR Contact: 09/08/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 12/20/2021
	Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 12/01/2019 Date Data Arrived at EDR: 08/19/2021 Date Made Active in Reports: 10/28/2021 Number of Days to Update: 70 Source: State Water Resources Control Board Telephone: 916-341-5455 Last EDR Contact: 08/19/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Varies

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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990 Date Data Arrived at EDR: 01/25/1991 Date Made Active in Reports: 02/12/1991 Number of Days to Update: 18 Source: State Water Resources Control Board Telephone: 916-341-5851 Last EDR Contact: 07/26/2001 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing Aboveground storage tank sites

Date of Government Version: 08/05/2021	Source: San Francisco County Department of Public Health
Date Data Arrived at EDR: 08/05/2021	Telephone: 415-252-3896
Date Made Active in Reports: 10/29/2021	Last EDR Contact: 10/31/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 02/14/2022
	Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994Source: California Environmental Protection AgencyDate Data Arrived at EDR: 09/05/1995Telephone: 916-341-5851Date Made Active in Reports: 09/29/1995Last EDR Contact: 12/28/1998Number of Days to Update: 24Next Scheduled EDR Contact: N/AData Release Frequency: No Update Planned

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: 07/15/2021	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/15/2021	Telephone: 916-323-2514
Date Made Active in Reports: 10/06/2021	Last EDR Contact: 10/19/2021
Number of Days to Update: 83	Next Scheduled EDR Contact: 01/31/2022
	Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/27/2021	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/28/2021	Telephone: 916-323-3400
Date Made Active in Reports: 08/20/2021	Last EDR Contact: 08/24/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 12/13/2021
	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: 07/29/2021 Date Data Arrived at EDR: 08/04/2021 Date Made Active in Reports: 08/31/2021 Number of Days to Update: 27 Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 11/05/2021 Next Scheduled EDR Contact: 01/10/2022 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: 05/28/2021 Date Data Arrived at EDR: 05/28/2021 Date Made Active in Reports: 08/20/2021 Number of Days to Update: 84 Source: DTSC and SWRCB Telephone: 916-323-3400 Last EDR Contact: 08/31/2021 Next Scheduled EDR Contact: 12/13/2021 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: 09/12/2021	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 09/13/2021	Telephone: 202-366-4555
Date Made Active in Reports: 09/28/2021	Last EDR Contact: 09/13/2021
Number of Days to Update: 15	Next Scheduled EDR Contact: 01/03/2022
	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: 06/30/2021	Source: Office of Emergency Services
Date Data Arrived at EDR: 07/15/2021	Telephone: 916-845-8400
Date Made Active in Reports: 10/06/2021	Last EDR Contact: 10/19/2021
Number of Days to Update: 83	Next Scheduled EDR Contact: 01/31/2022
	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: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/24/2021 Number of Days to Update: 82 Source: State Water Quality Control Board Telephone: 866-480-1028 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 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: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/24/2021 Number of Days to Update: 82 Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 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: 06/06/2012Source: FirstSearchDate Data Arrived at EDR: 01/03/2013Telephone: N/ADate Made Active in Reports: 02/22/2013Last EDR Contact: 01/03/2013Number of Days to Update: 50Next Scheduled EDR Contact: N/AData 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: 09/13/2021 Date Data Arrived at EDR: 09/15/2021 Date Made Active in Reports: 10/12/2021 Number of Days to Update: 27 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 09/15/2021 Next Scheduled EDR Contact: 01/03/2022 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: 08/10/2021 Date Data Arrived at EDR: 08/17/2021 Date Made Active in Reports: 10/22/2021 Number of Days to Update: 66 Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 08/17/2021 Next Scheduled EDR Contact: 11/29/2021 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: 10/15/2021 Next Scheduled EDR Contact: 01/24/2022 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: 04/02/2018	
Date Data Arrived at EDR: 04/11/2018	
Date Made Active in Reports: 11/06/2019	
Number of Days to Update: 574	

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/05/2021 Next Scheduled EDR Contact: 01/17/2022 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: 11/08/2021 Next Scheduled EDR Contact: 02/21/2022 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: 09/13/2021 Date Data Arrived at EDR: 09/15/2021 Date Made Active in Reports: 09/28/2021 Number of Days to Update: 13 Source: Environmental Protection Agency Telephone: 202-566-1917 Last EDR Contact: 09/15/2021 Next Scheduled EDR Contact: 01/03/2022 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: 11/01/2021 Next Scheduled EDR Contact: 02/14/2022 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: 11/05/2021 Next Scheduled EDR Contact: 02/14/2022 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: 06/17/2020 Date Made Active in Reports: 09/10/2020 Number of Days to Update: 85 Source: EPA Telephone: 202-260-5521 Last EDR Contact: 09/17/2021 Next Scheduled EDR Contact: 12/27/2021 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: 12/31/2018 Date Data Arrived at EDR: 08/14/2020 Date Made Active in Reports: 11/04/2020 Number of Days to Update: 82 Source: EPA Telephone: 202-566-0250 Last EDR Contact: 08/17/2021 Next Scheduled EDR Contact: 11/29/2021 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: 07/19/2021 Date Data Arrived at EDR: 07/19/2021 Date Made Active in Reports: 10/12/2021 Number of Days to Update: 85 Source: EPA Telephone: 202-564-4203 Last EDR Contact: 10/20/2021 Next Scheduled EDR Contact: 01/31/2022 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: 07/29/2021 Date Data Arrived at EDR: 08/04/2021 Date Made Active in Reports: 08/31/2021 Number of Days to Update: 27

Source: EPA Telephone: 703-416-0223 Last EDR Contact: 11/05/2021 Next Scheduled EDR Contact: 12/13/2021 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: 10/20/2021 Date Data Arrived at EDR: 11/05/2021 Date Made Active in Reports: 11/12/2021 Number of Days to Update: 7 Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 10/18/2021 Next Scheduled EDR Contact: 01/31/2022 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 Par	ties	
Date of Government Version: 12/30/2020 Date Data Arrived at EDR: 01/14/2021 Date Made Active in Reports: 03/05/2021 Number of Days to Update: 50	Source: EPA Telephone: 202-564-6023 Last EDR Contact: 11/05/2021 Next Scheduled EDR Contact: 02/14/2022 Data Release Frequency: Quarterly	
PADS: PCB Activity Database System PCB Activity Database. PADS Identifies generation of PCB's who are required to notify the EPA of	ators, transporters, commercial storers and/or brokers and disposers such activities.	
Date of Government Version: 11/19/2020 Date Data Arrived at EDR: 01/08/2021 Date Made Active in Reports: 03/22/2021 Number of Days to Update: 73	Source: EPA Telephone: 202-566-0500 Last EDR Contact: 10/08/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Annually	
ICIS: Integrated Compliance Information System The Integrated Compliance Information System and compliance program as well as the unique program.	n (ICIS) supports the information needs of the national enforcement needs of the National Pollutant Discharge Elimination System (NPDES)	
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: 09/30/2021 Next Scheduled EDR Contact: 01/17/2022 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: No Update Planned	
FTTS INSP: FIFRA/ TSCA Tracking System - FIFR/ A listing of FIFRA/TSCA Tracking System (FT	A (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) (FS) 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: No Update Planned	
MLTS: Material Licensing Tracking System MLTS is maintained by the Nuclear Regulatory possess or use radioactive materials and which EDR contacts the Agency on a quarterly basis.	Commission and contains a list of approximately 8,100 sites which n are subject to NRC licensing requirements. To maintain currency,	
Date of Government Version: 03/08/2021 Date Data Arrived at EDR: 03/11/2021 Date Made Active in Reports: 05/11/2021 Number of Days to Update: 61	Source: Nuclear Regulatory Commission Telephone: 301-415-7169 Last EDR Contact: 10/18/2021 Next Scheduled EDR Contact: 01/31/2022 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: 12/31/2019	Source: Department of Energy
Date Data Arrived at EDR: 12/01/2020	Telephone: 202-586-8719
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 09/03/2021
Number of Days to Update: 70	Next Scheduled EDR Contact: 12/13/2021
	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.

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Date of Government Version: 01/12/2	2017 Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/201	9 Telephone: N/A
Date Made Active in Reports: 11/11/2	2019 Last EDR Contact: 08/31/2021
Number of Days to Update: 251	Next Scheduled EDR Contact: 12/13/2021
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 11/05/2021
Number of Days to Update: 96	Next Scheduled EDR Contact: 02/14/2022
	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: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019 Number of Days to Update: 84 Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 09/27/2021 Next Scheduled EDR Contact: 01/10/2022 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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: 01/02/2020 Date Data Arrived at EDR: 01/28/2020 Date Made Active in Reports: 04/17/2020 Number of Days to Update: 80	Source: Department of Transporation, Office of Pipeline Safety Telephone: 202-366-4595 Last EDR Contact: 10/26/2021 Next Scheduled EDR Contact: 02/07/2022 Data Release Frequency: Quarterly
CON	SENT: Superfund (CERCLA) Consent Decrees Major legal settlements that establish responsit periodically by United States District Courts after	pility and standards for cleanup at NPL (Superfund) sites. Released or settlement by parties to litigation matters.
	Date of Government Version: 06/30/2021 Date Data Arrived at EDR: 07/14/2021 Date Made Active in Reports: 07/16/2021 Number of Days to Update: 2	Source: Department of Justice, Consent Decree Library Telephone: Varies Last EDR Contact: 09/30/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Varies
BRS	RS: 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: 12/31/2017 Date Data Arrived at EDR: 06/22/2020 Date Made Active in Reports: 11/20/2020 Number of Days to Update: 151	Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 09/15/2021 Next Scheduled EDR Contact: 01/03/2022 Data Release Frequency: Biennially
INDI	AN RESERV: Indian Reservations This map layer portrays Indian administered lar than 640 acres.	nds of the United States that have any area equal to or greater
	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: 10/05/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Semi-Annually
FUSI	RAP: Formerly Utilized Sites Remedial Action P DOE established the Formerly Utilized Sites Re radioactive contamination remained from Manh	rogram medial Action Program (FUSRAP) in 1974 to remediate sites where attan Project and early U.S. Atomic Energy Commission (AEC) operations.
	Date of Government Version: 07/26/2021 Date Data Arrived at EDR: 07/27/2021 Date Made Active in Reports: 10/22/2021 Number of Days to Update: 87	Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 11/01/2021 Next Scheduled EDR Contact: 02/14/2022 Data Release Frequency: Varies
UMT	RA: Uranium Mill Tailings Sites	

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019 Date Data Arrived at EDR: 11/15/2019 Date Made Active in Reports: 01/28/2020 Number of Days to Update: 74	Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/12/2021 Next Scheduled EDR Contact: 02/28/2022 Data Release Frequency: Varies	
LEAD SMELTER 1: Lead Smelter Sites A listing of former lead smelter site locations.		
Date of Government Version: 07/29/2021 Date Data Arrived at EDR: 08/04/2021 Date Made Active in Reports: 08/31/2021 Number of Days to Update: 27	Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 11/05/2021 Next Scheduled EDR Contact: 01/10/2022 Data Release Frequency: Varies	
LEAD SMELTER 2: Lead Smelter Sites A list of several hundred sites in the U.S. where may pose a threat to public health through inge	e secondary lead smelting was done from 1931and 1964. These sites stion 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: 05/03/2021 Date Data Arrived at EDR: 05/25/2021 Date Made Active in Reports: 08/11/2021 Number of Days to Update: 78	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 08/24/2021 Next Scheduled EDR Contact: 12/06/2021 Data Release Frequency: Semi-Annually	
MINES VIOLATIONS: MSHA Violation Assessment	Data	

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021 Date Data Arrived at EDR: 07/01/2021 Date Made Active in Reports: 09/28/2021 Number of Days to Update: 89 Source: DOL, Mine Safety & Health Admi Telephone: 202-693-9424 Last EDR Contact: 09/09/2021 Next Scheduled EDR Contact: 12/13/2021 Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020	Source: USGS
Date Data Arrived at EDR: 05/27/2020	Telephone: 703-648-7709
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 08/26/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 12/06/2021
	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: 08/26/2021 Next Scheduled EDR Contact: 12/06/2021 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: 06/15/2021 Date Data Arrived at EDR: 06/16/2021 Date Made Active in Reports: 08/17/2021 Number of Days to Update: 62 Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 09/14/2021 Next Scheduled EDR Contact: 12/20/2021 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: 05/05/2021 Date Data Arrived at EDR: 05/18/2021 Date Made Active in Reports: 08/17/2021 Number of Days to Update: 91 Source: EPA Telephone: (415) 947-8000 Last EDR Contact: 08/31/2021 Next Scheduled EDR Contact: 12/13/2021 Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/26/2021 Date Data Arrived at EDR: 07/01/2021 Date Made Active in Reports: 09/28/2021 Number of Days to Update: 89 Source: Environmental Protection Agency Telephone: 202-564-2280 Last EDR Contact: 10/05/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Quarterly

DO	CKET HWC: Hazardous Waste Compliance Doo A complete list of the Federal Agency Hazardo	cket Listing bus Waste Compliance Docket Facilities.
	Date of Government Version: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021 Number of Days to Update: 82	Source: Environmental Protection Agency Telephone: 202-564-0527 Last EDR Contact: 08/26/2021 Next Scheduled EDR Contact: 12/06/2021 Data Release Frequency: Varies
UX	 D: Unexploded Ordnance Sites A listing of unexploded ordnance site locations 	5
	Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 07/02/2020 Date Made Active in Reports: 09/17/2020 Number of Days to Update: 77	Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 10/07/2021 Next Scheduled EDR Contact: 01/24/2022 Data Release Frequency: Varies
FU	ELS PROGRAM: EPA Fuels Program Registere This listing includes facilities that are registere Programs. All companies now are required to	d Listing d under the Part 80 (Code of Federal Regulations) EPA Fuels submit new and updated registrations.
	Date of Government Version: 08/13/2021 Date Data Arrived at EDR: 08/13/2021 Date Made Active in Reports: 10/22/2021 Number of Days to Update: 70	Source: EPA Telephone: 800-385-6164 Last EDR Contact: 11/15/2021 Next Scheduled EDR Contact: 02/28/2022 Data Release Frequency: Quarterly
CA	BOND EXP. PLAN: Bond Expenditure Plan Department of Health Services developed a si Hazardous Substance Cleanup Bond Act fund	te-specific expenditure plan as the basis for an appropriation of s. 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
со	RTESE: "Cortese" Hazardous Waste & Substan The sites for the list are designated by the Sta Board (SWF/LS), and the Department of Toxic	ices Sites List te Water Resource Control Board (LUST), the Integrated Waste : Substances Control (Cal-Sites).
	Date of Government Version: 06/17/2021 Date Data Arrived at EDR: 06/17/2021 Date Made Active in Reports: 09/14/2021 Number of Days to Update: 89	Source: CAL EPA/Office of Emergency Information Telephone: 916-323-3400 Last EDR Contact: 09/21/2021 Next Scheduled EDR Contact: 01/03/2022 Data Release Frequency: Quarterly
CU	PA LIVERMORE-PLEASANTON: CUPA Facility list of facilities associated with the various CUF	/ Listing PA programs in Livermore-Pleasanton
	Date of Government Version: 05/01/2019 Date Data Arrived at EDR: 05/14/2019 Date Made Active in Reports: 07/17/2019 Number of Days to Update: 64	Source: Livermore-Pleasanton Fire Department Telephone: 925-454-2361 Last EDR Contact: 11/09/2021 Next Scheduled EDR Contact: 02/21/2022 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: 08/18/2021 Date Data Arrived at EDR: 08/23/2021 Date Made Active in Reports: 11/12/2021 Number of Days to Update: 81	Source: South Coast Air Quality Management District Telephone: 909-396-3211 Last EDR Contact: 08/17/2021 Next Scheduled EDR Contact: 12/06/2021 Data Release Frequency: Varies
DRY	CLEAN AVAQMD: Antelope Valley Air Quality A A listing of dry cleaners in the Antelope Valley A	Management District Drycleaner Listing Air Quality Management District.
	Date of Government Version: 05/25/2021 Date Data Arrived at EDR: 05/26/2021 Date Made Active in Reports: 08/18/2021 Number of Days to Update: 84	Source: Antelope Valley Air Quality Management District Telephone: 661-723-8070 Last EDR Contact: 08/24/2021 Next Scheduled EDR Contact: 12/13/2021 Data Release Frequency: Varies
DRY	CLEANERS: Cleaner Facilities A list of drycleaner related facilities that have El power laundries, family and commercial; garme and cleaning; drycleaning plants, except rugs; o garment services.	PA ID numbers. These are facilities with certain SIC codes: ent pressing and cleaner's agents; linen supply; coin-operated laundries carpet and upholster cleaning; industrial launderers; laundry and
	Date of Government Version: 05/25/2021 Date Data Arrived at EDR: 05/28/2021 Date Made Active in Reports: 08/20/2021 Number of Days to Update: 84	Source: Department of Toxic Substance Control Telephone: 916-327-4498 Last EDR Contact: 08/24/2021 Next Scheduled EDR Contact: 12/13/2021 Data Release Frequency: Annually
EMI:	Emissions Inventory Data Toxics and criteria pollutant emissions data coll	ected by the ARB and local air pollution agencies.
	Date of Government Version: 12/31/2019 Date Data Arrived at EDR: 06/10/2021 Date Made Active in Reports: 08/27/2021 Number of Days to Update: 78	Source: California Air Resources Board Telephone: 916-322-2990 Last EDR Contact: 09/17/2021 Next Scheduled EDR Contact: 12/27/2021 Data Release Frequency: Varies
ENF	: Enforcement Action Listing A listing of Water Board Enforcement Actions. F Violation, Expedited Payment Letter, and Staff	Formal is everything except Oral/Verbal Communication, Notice of Enforcement Letter.
	Date of Government Version: 04/16/2021 Date Data Arrived at EDR: 04/20/2021 Date Made Active in Reports: 07/07/2021 Number of Days to Update: 78	Source: State Water Resoruces Control Board Telephone: 916-445-9379 Last EDR Contact: 11/04/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Varies
Finai	ncial Assurance 1: Financial Assurance Informa Financial Assurance information	tion Listing
	Date of Government Version: 04/14/2021 Date Data Arrived at EDR: 04/15/2021 Date Made Active in Reports: 07/06/2021 Number of Days to Update: 82	Source: Department of Toxic Substances Control Telephone: 916-255-3628 Last EDR Contact: 10/05/2021 Next Scheduled EDR Contact: 01/31/2022 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: 08/13/2021 Date Data Arrived at EDR: 08/13/2021 Date Made Active in Reports: 11/05/2021 Number of Days to Update: 84 Source: California Integrated Waste Management Board Telephone: 916-341-6066 Last EDR Contact: 11/05/2021 Next Scheduled EDR Contact: 02/21/2022 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: 12/31/2019Source: California Environmental Protection AgencyDate Data Arrived at EDR: 04/15/2020Telephone: 916-255-1136Date Made Active in Reports: 07/02/2020Last EDR Contact: 10/08/2021Number of Days to Update: 78Next Scheduled EDR Contact: 01/17/2022Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/13/2021	Source: Department of Toxic Subsances Control
Date Data Arrived at EDR: 08/13/2021	Telephone: 877-786-9427
Date Made Active in Reports: 11/08/2021	Last EDR Contact: 11/15/2021
Number of Days to Update: 87	Next Scheduled EDR Contact: 02/28/2022
	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: 08/13/2021	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/13/2021	Telephone: 916-323-3400
Date Made Active in Reports: 11/08/2021	Last EDR Contact: 11/15/2021
Number of Days to Update: 87	Next Scheduled EDR Contact: 02/28/2022
	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: 07/01/2021 Date Data Arrived at EDR: 07/01/2021 Date Made Active in Reports: 09/24/2021 Number of Days to Update: 85 Source: Department of Toxic Substances Control Telephone: 916-440-7145 Last EDR Contact: 10/05/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Quarterly

MINES: Mines Site Location Listing A listing of mine site locations from the Office	e of Mine Reclamation.
Date of Government Version: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/24/2021 Number of Days to Update: 82	Source: Department of Conservation Telephone: 916-322-1080 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Quarterly
MWMP: Medical Waste Management Program Li The Medical Waste Management Program (and inspecting medical waste Offsite Treatm state. MWMP also oversees all Medical Was	sting MWMP) ensures the proper handling and disposal of medical waste by permitting ent Facilities (PDF) and Transfer Stations (PDF) throughout the ste Transporters.
Date of Government Version: 05/06/2021 Date Data Arrived at EDR: 05/28/2021 Date Made Active in Reports: 08/20/2021 Number of Days to Update: 84	Source: Department of Public Health Telephone: 916-558-1784 Last EDR Contact: 08/31/2021 Next Scheduled EDR Contact: 12/13/2021 Data Release Frequency: Varies
NPDES: NPDES Permits Listing A listing of NPDES permits, including storm	vater.
Date of Government Version: 05/10/2021 Date Data Arrived at EDR: 05/11/2021 Date Made Active in Reports: 07/27/2021 Number of Days to Update: 77	Source: State Water Resources Control Board Telephone: 916-445-9379 Last EDR Contact: 11/09/2021 Next Scheduled EDR Contact: 02/21/2022 Data Release Frequency: Quarterly
PEST LIC: Pesticide Regulation Licenses Listing A listing of licenses and certificates issued b and/or certificates to: Persons and business Persons who advise on agricultural pesticide	y the Department of Pesticide Regulation. The DPR issues licenses es that apply or sell pesticides; Pest control dealers and brokers; applications.
Date of Government Version: 05/28/2021 Date Data Arrived at EDR: 05/28/2021 Date Made Active in Reports: 08/20/2021 Number of Days to Update: 84	Source: Department of Pesticide Regulation Telephone: 916-445-4038 Last EDR Contact: 08/31/2021 Next Scheduled EDR Contact: 12/13/2021 Data Release Frequency: Quarterly
PROC: Certified Processors Database A listing of certified processors.	
Date of Government Version: 06/04/2021 Date Data Arrived at EDR: 06/04/2021 Date Made Active in Reports: 08/27/2021 Number of Days to Update: 84	Source: Department of Conservation Telephone: 916-323-3836 Last EDR Contact: 09/08/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Quarterly
NOTIFY 65: Proposition 65 Records Listings of all Proposition 65 incidents report Regional Water Quality Control Board. This	ed to counties by the State Water Resources Control Board and the database is no longer updated by the reporting agency.
Date of Government Version: 03/12/2021 Date Data Arrived at EDR: 03/16/2021 Date Made Active in Reports: 06/01/2021 Number of Days to Update: 77	Source: State Water Resources Control Board Telephone: 916-445-3846 Last EDR Contact: 08/26/2021 Next Scheduled EDR Contact: 12/27/2021

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: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/25/2021 Number of Days to Update: 83 Source: Deaprtment of Conservation Telephone: 916-445-2408 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER) Underground control injection sites

Date of Government Version: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/24/2021 Number of Days to Update: 82

Source: State Water Resource Control Board Telephone: 866-480-1028 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021 Date Data Arrived at EDR: 07/01/2021 Date Made Active in Reports: 09/29/2021 Number of Days to Update: 90 Source: RWQCB, Central Valley Region Telephone: 559-445-5577 Last EDR Contact: 10/08/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 11/15/2021
Number of Days to Update: 9	Next Scheduled EDR Contact: 02/28/2022
	Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 09/14/2021
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER) Military privatized sites

Date of Government Version: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/24/2021 Number of Days to Update: 82 Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER) Projects sites

Date of Government Version: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/24/2021 Number of Days to Update: 82 Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 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: 06/07/2021 Date Data Arrived at EDR: 06/07/2021 Date Made Active in Reports: 08/27/2021 Number of Days to Update: 81 Source: State Water Resources Control Board Telephone: 916-341-5810 Last EDR Contact: 09/08/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 05/19/2021 Date Data Arrived at EDR: 05/19/2021 Date Made Active in Reports: 08/12/2021 Number of Days to Update: 85 Source: State Water Resources Control Board Telephone: 866-794-4977 Last EDR Contact: 08/31/2021 Next Scheduled EDR Contact: 12/13/2021 Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/15/2021 Date Data Arrived at EDR: 07/15/2021 Date Made Active in Reports: 10/06/2021 Number of Days to Update: 83 Source: California Environmental Protection Agency Telephone: 916-323-2514 Last EDR Contact: 10/19/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER) Non-Case Information sites

Date of Government Version: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/24/2021 Number of Days to Update: 82 Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER) Other Oil & Gas Projects sites

Date of Government Version: 06/03/2021	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/03/2021	Telephone: 866-480-1028
Date Made Active in Reports: 08/24/2021	Last EDR Contact: 09/07/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/20/2021
	Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds S Produced water ponds sites	ites (GEOTRACKER)
Date of Government Version: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/24/2021 Number of Days to Update: 82	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Varies
SAMPLING POINT: Sampling Point ? Public Sites Sampling point - public sites	(GEOTRACKER)
Date of Government Version: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/24/2021 Number of Days to Update: 82	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Varies
WELL STIM PROJ: Well Stimulation Project (GEO Includes areas of groundwater monitoring plan and subsurface characteristics of the oilfield a wells, water supply wells, etc?) being monitore	TRACKER) ns, a depiction of the monitoring network, and the facilities, boundaries, nd the features (oil and gas wells, produced water ponds, UIC ed
Date of Government Version: 06/03/2021 Date Data Arrived at EDR: 06/03/2021 Date Made Active in Reports: 08/25/2021 Number of Days to Update: 83	Source: State Water Resources Control Board Telephone: 866-480-1028 Last EDR Contact: 09/07/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Varies
HWTS: Hazardous Waste Tracking System DTSC maintains the Hazardous Waste Tracki manifest data since 1993. The system collects	ng System that stores ID number information since the early 1980s and s both manifest copies from the generator and destination facility.
Date of Government Version: 07/13/2021 Date Data Arrived at EDR: 07/14/2021 Date Made Active in Reports: 10/06/2021 Number of Days to Update: 84	Source: Department of Toxic Substances Control Telephone: 916-324-2444 Last EDR Contact: 09/30/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Varies
PCS: Permit Compliance System PCS is a computerized management informat System (NPDES) permit holding facilities. PC facilities.	ion system that contains data on National Pollutant Discharge Elimination S tracks the permit, compliance, and enforcement status of NPDES
Date of Government Version: 07/14/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 09/29/2011 Number of Days to Update: 55	Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 09/30/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Semi-Annually
PCS INACTIVE: Listing of Inactive PCS Permits An inactive permit is a facility that has shut do	wn or is no longer discharging.
Date of Government Version: 11/05/2014	Source: EPA

Date of Government Version: 11/05/2014	Source: EPA
Date Data Arrived at EDR: 01/06/2015	Telephone: 202-564-2496
Date Made Active in Reports: 05/06/2015	Last EDR Contact: 09/30/2021
Number of Days to Update: 120	Next Scheduled EDR Contact: 01/17/2022
	Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

> Date of Government Version: 04/06/2018 Date Data Arrived at EDR: 10/21/2019 Date Made Active in Reports: 10/24/2019 Number of Days to Update: 3

PCS ENF: Enforcement data No description is available for this data

> Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/06/2015 Number of Days to Update: 29

Source: USGS Telephone: 703-648-6533 Last EDR Contact: 08/26/2021 Next Scheduled EDR Contact: 12/06/2021 Data Release Frequency: Varies

Source: EPA Telephone: 202-564-2497 Last EDR Contact: 09/30/2021 Next Scheduled EDR Contact: 01/17/2022 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: 01/09/2019 Date Data Arrived at EDR: 01/11/2019 Date Made Active in Reports: 03/05/2019 Number of Days to Update: 53 Source: Alameda County Environmental Health Services Telephone: 510-567-6700 Last EDR Contact: 09/30/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/29/2021	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 06/30/2021	Telephone: 510-567-6700
Date Made Active in Reports: 09/22/2021	Last EDR Contact: 09/30/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/17/2022
•	Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List Cupa Facility List

> Date of Government Version: 08/05/2021 Date Data Arrived at EDR: 08/06/2021 Date Made Active in Reports: 09/17/2021 Number of Days to Update: 42

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: Amador County Environmental Health Telephone: 209-223-6439 Last EDR Contact: 10/29/2021 Next Scheduled EDR Contact: 02/14/2022 Data Release Frequency: Varies

Source: Public Health Department Telephone: 530-538-7149 Last EDR Contact: 09/30/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

> Date of Government Version: 06/15/2021 Date Data Arrived at EDR: 06/16/2021 Date Made Active in Reports: 07/02/2021 Number of Days to Update: 16

Source: Calveras County Environmental Health Telephone: 209-754-6399 Last EDR Contact: 09/14/2021 Next Scheduled EDR Contact: 01/03/2022 Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

> Date of Government Version: 04/06/2020 Date Data Arrived at EDR: 04/23/2020 Date Made Active in Reports: 07/10/2020 Number of Days to Update: 78

Source: Health & Human Services Telephone: 530-458-0396 Last EDR Contact: 10/29/2021 Next Scheduled EDR Contact: 02/14/2022 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: 07/20/2021 Date Data Arrived at EDR: 07/20/2021 Date Made Active in Reports: 10/11/2021 Number of Days to Update: 83 Source: Contra Costa Health Services Department Telephone: 925-646-2286 Last EDR Contact: 10/22/2021 Next Scheduled EDR Contact: 02/07/2022 Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 06/29/2021 Date Data Arrived at EDR: 07/23/2021 Date Made Active in Reports: 10/08/2021 Number of Days to Update: 77

Source: Del Norte County Environmental Health Division Telephone: 707-465-0426 Last EDR Contact: 10/29/2021 Next Scheduled EDR Contact: 02/07/2022 Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

> Date of Government Version: 07/30/2021 Date Data Arrived at EDR: 08/03/2021 Date Made Active in Reports: 10/26/2021 Number of Days to Update: 84

Source: El Dorado County Environmental Management Department Telephone: 530-621-6623 Last EDR Contact: 11/05/2021 Next Scheduled EDR Contact: 02/07/2022 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: 04/09/2021 Date Data Arrived at EDR: 06/23/2021 Date Made Active in Reports: 09/17/2021 Number of Days to Update: 86 Source: Dept. of Community Health Telephone: 559-445-3271 Last EDR Contact: 10/01/2021 Next Scheduled EDR Contact: 01/10/2022 Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

> Date of Government Version: 01/22/2018 Date Data Arrived at EDR: 01/24/2018 Date Made Active in Reports: 03/14/2018 Number of Days to Update: 49

Source: Glenn County Air Pollution Control District Telephone: 830-934-6500 Last EDR Contact: 07/13/2021 Next Scheduled EDR Contact: 11/01/2021 Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

> Date of Government Version: 08/12/2021 Date Data Arrived at EDR: 08/12/2021 Date Made Active in Reports: 11/08/2021 Number of Days to Update: 88

Source: Humboldt County Environmental Health Telephone: N/A Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 02/28/2022 Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

> Date of Government Version: 07/13/2021 Date Data Arrived at EDR: 07/15/2021 Date Made Active in Reports: 10/06/2021 Number of Days to Update: 83

Source: San Diego Border Field Office Telephone: 760-339-2777 Last EDR Contact: 10/15/2021 Next Scheduled EDR Contact: 01/31/2022 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: 11/11/2021 Next Scheduled EDR Contact: 02/28/2022 Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/06/2021 Date Data Arrived at EDR: 08/12/2021 Date Made Active in Reports: 10/07/2021 Number of Days to Update: 56 Source: Kern County Public Health Telephone: 661-321-3000 Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 02/14/2022 Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 07/06/2021 Date Data Arrived at EDR: 08/12/2021 Date Made Active in Reports: 08/18/2021 Number of Days to Update: 6 Source: Kern County Environment Health Services Department Telephone: 661-862-8700 Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 02/14/2022 Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020 Date Data Arrived at EDR: 01/26/2021 Date Made Active in Reports: 04/14/2021 Number of Days to Update: 78 Source: Kings County Department of Public Health Telephone: 559-584-1411 Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 02/28/2022 Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 07/27/2021 Date Data Arrived at EDR: 07/28/2021 Date Made Active in Reports: 10/21/2021 Number of Days to Update: 85 Source: Lake County Environmental Health Telephone: 707-263-1164 Last EDR Contact: 10/06/2021 Next Scheduled EDR Contact: 01/24/2022 Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List Cupa facility list

> Date of Government Version: 07/31/2020 Date Data Arrived at EDR: 08/21/2020 Date Made Active in Reports: 11/09/2020 Number of Days to Update: 80

Source: Lassen County Environmental Health Telephone: 530-251-8528 Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009 Date Data Arrived at EDR: 03/31/2009 Date Made Active in Reports: 10/23/2009 Number of Days to Update: 206 Source: N/A Telephone: N/A Last EDR Contact: 09/09/2021 Next Scheduled EDR Contact: 12/27/2021 Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/08/2021	Sc
Date Data Arrived at EDR: 07/09/2021	Τe
Date Made Active in Reports: 09/29/2021	La
Number of Days to Update: 82	Ne

Source: Department of Public Works Telephone: 626-458-3517 Last EDR Contact: 10/15/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

> Date of Government Version: 07/09/2021 Date Data Arrived at EDR: 07/09/2021 Date Made Active in Reports: 09/29/2021 Number of Days to Update: 82

Source: La County Department of Public Works Telephone: 818-458-5185 Last EDR Contact: 10/08/2021 Next Scheduled EDR Contact: 01/24/2022 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: 01/01/2021	Source: Engineering & Construction Division
Date Data Arrived at EDR: 02/18/2021	Telephone: 213-473-7869
Date Made Active in Reports: 05/10/2021	Last EDR Contact: 10/05/2021
Number of Days to Update: 81	Next Scheduled EDR Contact: 01/24/2022
	Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019 Date Data Arrived at EDR: 06/25/2019 Date Made Active in Reports: 08/22/2019 Number of Days to Update: 58 Source: Los Angeles Fire Department Telephone: 213-978-3800 Last EDR Contact: 09/24/2021 Next Scheduled EDR Contact: 01/03/2022 Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/16/2021	Telephone: 626-458-6973
Date Made Active in Reports: 04/21/2021	Last EDR Contact: 10/08/2021
Number of Days to Update: 5	Next Scheduled EDR Contact: 01/24/2022
	Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021	
Date Data Arrived at EDR: 06/17/2021	
Date Made Active in Reports: 06/28/2021	
Number of Days to Update: 11	

Source: Los Angeles Fire Department Telephone: 213-978-3800 Last EDR Contact: 09/24/2021 Next Scheduled EDR Contact: 01/03/2022 Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 04/19/2021 Date Data Arrived at EDR: 06/17/2021 Date Made Active in Reports: 09/14/2021 Number of Days to Update: 89 Source: Los Angeles Fire Department Telephone: 213-978-3800 Last EDR Contact: 09/24/2021 Next Scheduled EDR Contact: 01/03/2022 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: 05/26/2021	Source
Date Data Arrived at EDR: 07/09/2021	Teleph
Date Made Active in Reports: 09/29/2021	Last ED
Number of Days to Update: 82	Next Se

Source: Community Health Services Telephone: 323-890-7806 Last EDR Contact: 10/15/2021 Next Scheduled EDR Contact: 01/24/2022 Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 10/06/2021
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/24/2022
	Data Release Frequency: No Update Planned
UST LONG BEACH: City of Long Beach Underground Storage Tank Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019 Date Data Arrived at EDR: 04/23/2019 Date Made Active in Reports: 06/27/2019 Number of Days to Update: 65 Source: City of Long Beach Fire Department Telephone: 562-570-2563 Last EDR Contact: 10/14/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 04/28/2021	Telephone: 310-618-2973
Date Made Active in Reports: 07/13/2021	Last EDR Contact: 10/15/2021
Number of Days to Update: 76	Next Scheduled EDR Contact: 01/31/2022
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020 Date Data Arrived at EDR: 08/12/2020 Date Made Active in Reports: 10/23/2020 Number of Days to Update: 72 Source: Madera County Environmental Health Telephone: 559-675-7823 Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 02/28/2022 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: 09/23/2021 Next Scheduled EDR Contact: 01/10/2022 Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/24/2021 Date Data Arrived at EDR: 04/07/2021 Date Made Active in Reports: 06/24/2021 Number of Days to Update: 78 Source: Department of Public Health Telephone: 707-463-4466 Last EDR Contact: 08/17/2021 Next Scheduled EDR Contact: 12/06/2021 Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List CUPA facility list.

Date of Government Version: 08/11/2021 Date Data Arrived at EDR: 08/12/2021 Date Made Active in Reports: 11/08/2021 Number of Days to Update: 88 Source: Merced County Environmental Health Telephone: 209-381-1094 Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 02/28/2022 Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List CUPA Facility List

> Date of Government Version: 02/22/2021 Date Data Arrived at EDR: 03/02/2021 Date Made Active in Reports: 05/19/2021 Number of Days to Update: 78

Source: Mono County Health Department Telephone: 760-932-5580 Last EDR Contact: 08/31/2021 Next Scheduled EDR Contact: 12/06/3021 Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/23/2021 Date Data Arrived at EDR: 06/23/2021 Date Made Active in Reports: 06/24/2021 Number of Days to Update: 1 Source: Monterey County Health Department Telephone: 831-796-1297 Last EDR Contact: 09/23/2021 Next Scheduled EDR Contact: 01/10/2022 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: 08/17/2021 Next Scheduled EDR Contact: 12/06/2021 Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 09/09/2019	Telephone: 707-253-4269
Date Made Active in Reports: 10/31/2019	Last EDR Contact: 08/17/2021
Number of Days to Update: 52	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List CUPA facility list.

Date of Government Version: 07/28/2021 Date Data Arrived at EDR: 07/28/2021 Date Made Active in Reports: 10/21/2021 Number of Days to Update: 85 Source: Community Development Agency Telephone: 530-265-1467 Last EDR Contact: 10/22/2021 Next Scheduled EDR Contact: 02/07/2022 Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups Petroleum and non-petroleum spills.

> Date of Government Version: 07/09/2021 Date Data Arrived at EDR: 08/03/2021 Date Made Active in Reports: 10/26/2021 Number of Days to Update: 84

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 10/29/2021 Next Scheduled EDR Contact: 02/14/2022 Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/09/2021	Source: Health Care Agency
Date Data Arrived at EDR: 08/03/2021	Telephone: 714-834-3446
Date Made Active in Reports: 10/26/2021	Last EDR Contact: 10/29/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/14/2022
	Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/09/2021 Date Data Arrived at EDR: 07/29/2021 Date Made Active in Reports: 10/19/2021 Number of Days to Update: 82 Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 10/29/2021 Next Scheduled EDR Contact: 02/14/2022 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: 05/25/2021 Date Data Arrived at EDR: 05/26/2021 Date Made Active in Reports: 06/01/2021 Number of Days to Update: 6 Source: Placer County Health and Human Services Telephone: 530-745-2363 Last EDR Contact: 08/24/2021 Next Scheduled EDR Contact: 12/13/2021 Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List Plumas County CUPA Program facilities.

> Date of Government Version: 03/31/2019 Date Data Arrived at EDR: 04/23/2019 Date Made Active in Reports: 06/26/2019 Number of Days to Update: 64

Source: Plumas County Environmental Health Telephone: 530-283-6355 Last EDR Contact: 10/14/2021 Next Scheduled EDR Contact: 01/31/2022 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: 06/29/2021 Date Data Arrived at EDR: 06/30/2021 Date Made Active in Reports: 07/14/2021 Number of Days to Update: 14	Source: Department of Environmental Health Telephone: 951-358-5055 Last EDR Contact: 09/09/2021 Next Scheduled EDR Contact: 12/27/2021 Data Release Frequency: Quarterly	
UST RIVERSIDE: Underground Storage Tank Tank List Underground storage tank sites located in Riverside county.		
Date of Government Version: 06/29/2021 Date Data Arrived at EDR: 06/30/2021 Date Made Active in Reports: 07/14/2021 Number of Days to Update: 14	Source: Department of Environmental Health Telephone: 951-358-5055 Last EDR Contact: 09/09/2021 Next Scheduled EDR Contact: 12/27/2021 Data Release Frequency: Quarterly	
SACRAMENTO COUNTY:		
CS SACRAMENTO: Toxic Site Clean-Up List List of sites where unauthorized releases of po	tentially hazardous materials have occurred.	
Date of Government Version: 03/30/2021 Date Data Arrived at EDR: 04/01/2021 Date Made Active in Reports: 06/23/2021 Number of Days to Update: 83	Source: Sacramento County Environmental Management Telephone: 916-875-8406 Last EDR Contact: 09/28/2021 Next Scheduled EDR Contact: 01/10/2022 Data Release Frequency: Quarterly	
ML SACRAMENTO: Master Hazardous Materials Fa Any business that has hazardous materials on waste generators.	acility List site - hazardous material storage sites, underground storage tanks,	
Date of Government Version: 08/02/2021 Date Data Arrived at EDR: 08/04/2021 Date Made Active in Reports: 11/02/2021 Number of Days to Update: 90	Source: Sacramento County Environmental Management Telephone: 916-875-8406 Last EDR Contact: 10/01/2021 Next Scheduled EDR Contact: 01/10/2022 Data Release Frequency: Quarterly	
SAN BENITO COUNTY:		
CUPA SAN BENITO: CUPA Facility List Cupa facility list		
Date of Government Version: 07/27/2021 Date Data Arrived at EDR: 07/28/2021 Date Made Active in Reports: 10/21/2021	Source: San Benito County Environmental Health Telephone: N/A Last EDR Contact: 10/29/2021	

Number of Days to Update: 85

Last EDR Contact: 10/29/2021 Next Scheduled EDR Contact: 02/14/2022 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: 08/11/2021 Date Data Arrived at EDR: 08/12/2021 Date Made Active in Reports: 11/08/2021 Number of Days to Update: 88 Source: San Bernardino County Fire Department Hazardous Materials Division Telephone: 909-387-3041 Last EDR Contact: 11/01/2021 Next Scheduled EDR Contact: 02/14/2022 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: 05/28/2021	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 05/28/2021	Telephone: 619-338-2268
Date Made Active in Reports: 08/20/2021	Last EDR Contact: 08/31/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 12/13/2021
	Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities San Diego County Solid Waste Facilities.

> Date of Government Version: 10/01/2020 Date Data Arrived at EDR: 11/23/2020 Date Made Active in Reports: 02/08/2021 Number of Days to Update: 77

Source: Department of Health Services Telephone: 619-338-2209 Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020 Date Data Arrived at EDR: 07/16/2020 Date Made Active in Reports: 09/29/2020 Number of Days to Update: 75 Source: Department of Environmental Health Telephone: 858-505-6874 Last EDR Contact: 10/15/2021 Next Scheduled EDR Contact: 01/31/2022 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: 08/24/2021 Next Scheduled EDR Contact: 12/13/2021 Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing Cupa facilities

	Date of Government Version: 08/05/2021 Date Data Arrived at EDR: 08/05/2021 Date Made Active in Reports: 10/29/2021 Number of Days to Update: 85	Source: San Francisco County Department of Environmental Health Telephone: 415-252-3896 Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 02/14/2022 Data Release Frequency: Varies
LUS	T SAN FRANCISCO: Local Oversite Facilities A listing of leaking underground storage tank s	ites 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: 11/01/2021 Next Scheduled EDR Contact: 02/14/2022 Data Release Frequency: No Update Planned
UST	SAN FRANCISCO: Underground Storage Tanl Underground storage tank sites located in San	k Information Francisco county.
	Date of Government Version: 08/05/2021 Date Data Arrived at EDR: 08/05/2021 Date Made Active in Reports: 10/29/2021 Number of Days to Update: 85	Source: Department of Public Health Telephone: 415-252-3920 Last EDR Contact: 10/31/2021 Next Scheduled EDR Contact: 02/14/2022 Data Release Frequency: Quarterly
SAN	I 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: 09/09/2021 Next Scheduled EDR Contact: 12/27/2021

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO:	CUPA Facility List
Cupa Facility List.	

Date of Government Version: 08/10/2021 Date Data Arrived at EDR: 08/11/2021 Date Made Active in Reports: 11/08/2021 Number of Days to Update: 89 Source: San Luis Obispo County Public Health Department Telephone: 805-781-5596 Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 02/28/2022 Data Release Frequency: Varies

Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Data of Covernment Varian: 02/20/2020	Source: Son Motoo County Environmental Health Sonvices Division
Date of Government Version. 02/20/2020	Source. San Mateo County Environmental Realth Services Division
Date Data Arrived at EDR: 02/20/2020	Telephone: 650-363-1921
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 09/10/2021
Number of Days to Update: 64	Next Scheduled EDR Contact: 12/20/2021
	Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 03/29/2019	Telephone: 650-363-1921
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 08/31/2021
Number of Days to Update: 61	Next Scheduled EDR Contact: 12/20/2021
	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: 11/11/2021 Next Scheduled EDR Contact: 02/28/2022 Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List Cupa facility list

Date of Government Version: 08/04/2021 Date Data Arrived at EDR: 08/05/2021 Date Made Active in Reports: 10/29/2021 Number of Days to Update: 85 Source: Department of Environmental Health Telephone: 408-918-1973 Last EDR Contact: 08/04/2021 Next Scheduled EDR Contact: 11/29/2021 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	Source: Department of Environmental Health
Date Data Arrived at EDR: 03/05/2014	Telephone: 408-918-3417
Date Made Active in Reports: 03/18/2014	Last EDR Contact: 08/17/2021
Number of Days to Update: 13	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department Telephone: 408-535-7694 Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 02/14/2022 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: 11/11/2021 Next Scheduled EDR Contact: 02/28/2022 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: 11/11/2021 Next Scheduled EDR Contact: 02/28/2022 Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019 Date Data Arrived at EDR: 06/06/2019 Date Made Active in Reports: 08/13/2019 Number of Days to Update: 68 Source: Solano County Department of Environmental Management Telephone: 707-784-6770 Last EDR Contact: 08/24/2021 Next Scheduled EDR Contact: 12/13/2021 Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/22/2021	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 06/23/2021	Telephone: 707-784-6770
Date Made Active in Reports: 09/17/2021	Last EDR Contact: 09/09/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 12/12/2021
	Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List Cupa Facility list

> Date of Government Version: 07/02/2021 Date Data Arrived at EDR: 07/06/2021 Date Made Active in Reports: 07/14/2021 Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department Telephone: 707-565-1174 Last EDR Contact: 09/14/2021 Next Scheduled EDR Contact: 01/03/2022 Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021SouDate Data Arrived at EDR: 06/30/2021TelDate Made Active in Reports: 09/24/2021LasNumber of Days to Update: 86Nex

Source: Department of Health Services Telephone: 707-565-6565 Last EDR Contact: 09/14/2021 Next Scheduled EDR Contact: 01/03/2022 Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List Cupa facility list

> Date of Government Version: 05/14/2021 Date Data Arrived at EDR: 05/17/2021 Date Made Active in Reports: 08/03/2021 Number of Days to Update: 78

Source: Stanislaus County Department of Ennvironmental Protection Telephone: 209-525-6751 Last EDR Contact: 10/06/2021 Next Scheduled EDR Contact: 01/24/2022 Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks Underground storage tank sites located in Sutter county.

Date of Government Version: 05/25/2021 Date Data Arrived at EDR: 05/26/2021 Date Made Active in Reports: 08/18/2021 Number of Days to Update: 84 Source: Sutter County Environmental Health Services Telephone: 530-822-7500 Last EDR Contact: 08/24/2021 Next Scheduled EDR Contact: 12/13/2021 Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List Cupa facilities

> Date of Government Version: 01/13/2021 Date Data Arrived at EDR: 01/14/2021 Date Made Active in Reports: 04/06/2021 Number of Days to Update: 82

Source: Tehama County Department of Environmental Health Telephone: 530-527-8020 Last EDR Contact: 11/11/2021 Next Scheduled EDR Contact: 02/14/2022 Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

> Date of Government Version: 07/14/2021 Date Data Arrived at EDR: 07/15/2021 Date Made Active in Reports: 10/06/2021 Number of Days to Update: 83

Source: Department of Toxic Substances Control Telephone: 760-352-0381 Last EDR Contact: 10/15/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

> Date of Government Version: 04/26/2021 Date Data Arrived at EDR: 04/28/2021 Date Made Active in Reports: 07/13/2021 Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division Telephone: 559-624-7400 Last EDR Contact: 11/01/2021 Next Scheduled EDR Contact: 02/14/2022 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: 10/14/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Varies
VENTURA COUNTY:	
BWT VENTURA: Business Plan, Hazardous Waste The BWT list indicates by site address whethe Producer (W), and/or Underground Tank (T) ir	Producers, and Operating Underground Tanks r the Environmental Health Division has Business Plan (B), Waste Iformation.
Date of Government Version: 05/26/2021 Date Data Arrived at EDR: 07/19/2021 Date Made Active in Reports: 10/08/2021 Number of Days to Update: 81	Source: Ventura County Environmental Health Division Telephone: 805-654-2813 Last EDR Contact: 10/18/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Quarterly
LF VENTURA: Inventory of Illegal Abandoned and Ventura County Inventory of Closed, Illegal Ab	Inactive Sites vandoned, 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: 09/23/2021 Next Scheduled EDR Contact: 01/10/2022 Data Release Frequency: No Update Planned
LUST VENTURA: Listing of Underground Tank Cle Ventura County Underground Storage Tank C	anup Sites Ieanup 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: 11/05/2021 Next Scheduled EDR Contact: 02/21/2022 Data Release Frequency: No Update Planned
MED WASTE VENTURA: Medical Waste Program To protect public health and safety and the en Environmental Health Division Medical Waste disposal of medical waste throughout the Court	List vironment from potential exposure to disease causing agents, the Program regulates the generation, handling, storage, treatment and nty.
Date of Government Version: 05/26/2021 Date Data Arrived at EDR: 07/19/2021 Date Made Active in Reports: 10/07/2021 Number of Days to Update: 80	Source: Ventura County Resource Management Agency Telephone: 805-654-2813 Last EDR Contact: 10/18/2021 Next Scheduled EDR Contact: 01/31/2022 Data Release Frequency: Quarterly
UST VENTURA: Underground Tank Closed Sites L Ventura County Operating Underground Stora	ist ge Tank Sites (UST)/Underground Tank Closed Sites List.
Date of Government Version: 05/26/2021 Date Data Arrived at EDR: 06/04/2021 Date Made Active in Reports: 08/27/2021 Number of Days to Update: 84	Source: Environmental Health Division Telephone: 805-654-2813 Last EDR Contact: 09/08/2021 Next Scheduled EDR Contact: 12/20/2021 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: 06/22/2021 Date Data Arrived at EDR: 06/28/2021 Date Made Active in Reports: 09/21/2021 Number of Days to Update: 85 Source: Yolo County Department of Health Telephone: 530-666-8646 Last EDR Contact: 09/23/2021 Next Scheduled EDR Contact: 01/10/2022 Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List CUPA facility listing for Yuba County.

> Date of Government Version: 07/20/2021 Date Data Arrived at EDR: 07/20/2021 Date Made Active in Reports: 10/08/2021 Number of Days to Update: 80

Source: Yuba County Environmental Health Department Telephone: 530-749-7523 Last EDR Contact: 10/22/2021 Next Scheduled EDR Contact: 02/07/2022 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: 07/23/2021	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/10/2021	Telephone: 860-424-3375
Date Made Active in Reports: 11/08/2021	Last EDR Contact: 11/12/2021
Number of Days to Update: 90	Next Scheduled EDR Contact: 02/21/2022
	Data Release Frequency: No Update Planned
NJ MANIFEST: Manifest Information Hazardous waste manifest information.	

Date of Government Version: 12/31/2018SDate Data Arrived at EDR: 04/10/2019TDate Made Active in Reports: 05/16/2019LNumber of Days to Update: 36N

Source: Department of Environmental Protection Telephone: N/A Last EDR Contact: 10/05/2021 Next Scheduled EDR Contact: 01/17/2022 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 04/29/2020	Source: Department of Environmental Conservation Telephone: 518-402-8651
Date Made Active in Reports: 07/10/2020	Last EDR Contact: 10/29/2021
Number of Days to Update: 72	Next Scheduled EDR Contact: 02/07/2022

Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information Hazardous waste manifest information.

Date of Government Version: 06/30/2018 Date Data Arrived at EDR: 07/19/2019 Date Made Active in Reports: 09/10/2019 Number of Days to Update: 53

RI MANIFEST: Manifest information Hazardous waste manifest information

Date of Government Version: 12/31/2019 Date Data Arrived at EDR: 02/11/2021 Date Made Active in Reports: 02/24/2021 Number of Days to Update: 13 Source: Department of Environmental Protection Telephone: 717-783-8990 Last EDR Contact: 10/07/2021 Next Scheduled EDR Contact: 01/24/2022 Data Release Frequency: Annually

Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 11/12/2021 Next Scheduled EDR Contact: 02/28/2022 Data Release Frequency: Annually

WI MANIFEST: Manifest Information Hazardous waste manifest information.

Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 06/19/2019 Date Made Active in Reports: 09/03/2019 Number of Days to Update: 76 Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 09/01/2021 Next Scheduled EDR Contact: 12/20/2021 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals. Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

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

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ASHLAN AVENUE WIDENING PROJECT ASHLAN AVENUE **FRESNO, CA 93722**

TARGET PROPERTY COORDINATES

Latitude (North):	36.79353 - 36° 47' 36.71"
Longitude (West):	119.883879 - 119° 53' 1.96"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	242674.5
UTM Y (Meters):	4075646.2
Elevation:	290 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12012181 HERNDON, CA			
Version Date:	2018			
East Map:	12012167 FRESNO NORTH, CA			
Version Date:	2018			

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- Groundwater flow direction, and
 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.

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 South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

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
06019C1545H	FEMA FIRM Flood data
Additional Panels in search area:	FEMA Source Type
06019C1565H	FEMA FIRM Flood data
NATIONAL WETLAND INVENTORY	
NWI Quad at Target Property HERNDON	<u>Data Coverage</u> YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:				
Search Radius:	1.25 miles			
Status:	Not found			

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

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

GEOLOGIC AGE IDENTIFICATION

Era:	Cenozoic	Category:	Stratifed Sequence
System:	Quaternary	0,	
Series:	Quaternary		
Code:	Q (decoded above as Era, System &	Series)	

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 - 6751467.2s



SITE NAME:	Ashlan Avenue Widening Project
ADDRESS:	Ashlan Avenue
	Fresno CA 93722
LAT/LONG:	36.79353 / 119.883879

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:	SAN JOAQUIN
Soil Surface Texture:	loam
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Moderately well drained
Hydric Status: Partially hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

Soil Layer Information							
	Βοι	undary		Classification		Saturated bydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
2	7 inches	18 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
3	18 inches	22 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
4	22 inches	35 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1

	Soil Layer Information						
	Boundary		Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
5	35 inches	59 inches	coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1

Water
loam
Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Not Reported
> 0 inches
> 0 inches

Soil Map ID: 3	
Soil Component Name:	SAN JOAQUIN
Soil Surface Texture:	sandy loam
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Moderately well drained
Hydric Status: Partially hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

Soil Layer Information							
	Βοι	indary		Classification		Saturated	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	7 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
2	7 inches	11 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
3	11 inches	24 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
4	24 inches	59 inches	coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1

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	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID

WELL ID

LOCATION FROM TP

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000177750	0 - 1/8 Mile SSW
5	USGS40000177701	1/4 - 1/2 Mile SSE
B8	USGS40000177826	1/4 - 1/2 Mile NW
12	USGS40000177724	1/2 - 1 Mile ESE
25	USGS40000177924	1/2 - 1 Mile North
30	USGS40000177832	1/2 - 1 Mile WNW
36	USGS40000177829	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	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
	CALLNL000001406	1/4 - 1/2 Mile WNW
A3	11589	1/4 - 1/2 Mile WNW
4	CADWR9000030604	1/4 - 1/2 Mile SE
B6	CADDW0000010063	1/4 - 1/2 Mile NW
B7	CAUSGSN00005672	1/4 - 1/2 Mile NW
9	CADPR000005361	1/4 - 1/2 Mile SW
C10	CADDW0000019268	1/2 - 1 Mile South
C11	CADDW0000021033	1/2 - 1 Mile South
D13	11586	1/2 - 1 Mile East
D14	CADDW0000013987	1/2 - 1 Mile East
15	CADDW000000240	1/2 - 1 Mile NW
E16	CADWR0000023858	1/2 - 1 Mile SSW
E17	CADWR0000014380	1/2 - 1 Mile SSW
18	CADDW000004552	1/2 - 1 Mile North
19	CADWR0000001409	1/2 - 1 Mile SSE
F20	CADDW000002888	1/2 - 1 Mile NNW
F21	11588	1/2 - 1 Mile NNW
22	11585	1/2 - 1 Mile NNE
23	CADDW0000019441	1/2 - 1 Mile WNW
24	CADDW0000007911	1/2 - 1 Mile North
G26	CADWR0000018116	1/2 - 1 Mile SE
G27	CADWR0000015727	1/2 - 1 Mile SE
H28	CAEDF0000012718	1/2 - 1 Mile East
H29	CAEDF0000101928	1/2 - 1 Mile East
H31	CAEDF0000110405	1/2 - 1 Mile East
32	CADWR0000014318	1/2 - 1 Mile South
133	CAEDF0000115864	1/2 - 1 Mile North
134	CAEDF0000004022	1/2 - 1 Mile North
135	CAEDF0000049212	1/2 - 1 Mile North
137	CAEDF0000093149	1/2 - 1 Mile North

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
138	CAEDF0000139511	1/2 - 1 Mile North
139	CAEDF0000061876	1/2 - 1 Mile North
140	CAEDF0000034750	1/2 - 1 Mile North
41	CAEDF0000082559	1/2 - 1 Mile East

PHYSICAL SETTING SOURCE MAP - 6751467.2s



SITE NAME: Ashlan Avenue Widening Project	CLIENT: Haro Environmental, Inc.
ADDRESS: Ashlan Avenue	CONTACT: Elliot Haro
Fresno CA 93722	INQUIRY #: 6751467.2s
LAT/LONG: 36.79353 / 119.883879	DATE: November 16, 2021 9:14 am
	Convertable @ 2021 EDD Inc @ 2015 TomTom Pol 2015

Map ID Direction Distance Elevation			Database	EDR ID Number
1 SSW 0 - 1/8 Mile Higher			FED USGS	USGS40000177750
Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	USGS-CA USGS California Water Science Center 013S018E22B001M Not Reported Not Reported Central Valley aquifer system Not Reported Not Reported ft Not Reported	er Type: HUC: Drainage Area Units: Contrib Drainage Area U Aquifer Type: Well Depth: Well Hole Depth:	Well 1803 Not nts: Not Not 180 Not	I 30012 Reported Reported Reported
Ground water levels,Number of M Feet below surface: Note:	Measurements: 1 56.22 Not Reported	Level reading date: Feet to sea level:	196 Not	3-10-15 Reported
A2 WNW 1/4 - 1/2 Mile Higher			CA WELLS	CALLNL000001406
Well ID:	101418	Well Type:	MUM	NICIPAL
Source: Other Name: Groundwater Quality Data: GeoTracker Data:	13S/19E-15Q01 M Not Reported Not Reported	ory GAMA PFAS Testing:	Not	Reported
Chemical: Units:	Krypton cm3STP/g	Results: Date:	.000 04/1	0000862599 4/2003
Chemical: Units:	Neon cm3STP/g	Results: Date:	.000 04/1	000269113 4/2003
Chemical: Units:	Helium-3/Helium-4 atom ratio	Results: Date:	.000 04/1	00168646 4/2003
Chemical: Units:	Helium-4 cm3STP/g	Results: Date:	.000 04/1	0000695083 4/2003
Chemical: Units:	Xenon cm3STP/g	Results: Date:	.000 04/1	000011371 4/2003
Chemical: Units:	Tritium (Hydrogen 3) pCi/L	Results: Date:	6.91 06/2	5/2003
Chemical:	Argon	Results:	.000	415958

Units:	cm3STP/g	Date:	04/14/2003
A3 WNW 1/4 - 1/2 Mile Higher			CA WELLS 11589
Sea:	11580	Prim sta c:	13S/19E-15001 M
Sey. Frds no	1010007344	Filli Sta C.	10
District:	11	Usor id:	
System no:	1010007	Water type:	AGE
Source nam:	WELL 169	Station ty:	
Latitude:	364743.0	Longitude:	1105317.0
Precision:	3	Status:	ATT
Comment 1	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Commont 5:	Not Reported	Commont 6:	Not Reported
Comment 7:	Not Reported	Comment o.	Not Reported
System no:	1010007	System nam:	Fresno, City Of
Hqname:	Not Reported	Address:	2326 FRESNO STREE
City:	FRESNO	State:	CA
Zip:	93721	Zip ext:	2988
Pop serv:	390350	Connection:	99005
Area serve:	CITY OF FRESNO		
Sample date:	13-FEB-18	Finding:	2.7
Chemical: Dlr:	NITRATE (AS N) 0.4	Report units:	MG/L
Sample date:	24-FEB-17	Finding:	0.14
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	24-FEB-17	Finding:	200.
Dir:	0.	Report units:	MG/L
Sample date:	24-FEB-17	Finding:	4.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
DIr:	1.		
Sample date:	24-FEB-17	Finding:	9.4
Chemical: Dlr:	SULFATE 0.5	Report units:	MG/L
Sample date:	24-FEB-17	Findina:	6.1
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	24-FEB-17	Finding:	4.5
Chemical: Dlr:	POTASSIUM 0.	Report units:	MG/L
Sample data:	24 EEB 17	Finding	17
Chemical		Pinuny. Report unite:	MG/I
Dir:	0.	Report units:	WIG/L
Sample date:	24-FEB-17	Finding [.]	13.
Chemical:	MAGNESIUM	Report units:	MG/L

Dlr:

Sample date: Chemical: Dlr:

0.

0.5

07-APR-14

SULFATE

Sample date: Chemical: Dlr:

0.		
24-FEB-17 CALCIUM 0.	Finding: Report units:	25. MG/L
24-FEB-17 HARDNESS (TOTAL) AS CACO3 0.	Finding: Report units:	120. MG/L
24-FEB-17 NITRATE (AS N) 0.4	Finding: Report units:	2.5 MG/L
24-FEB-17 BICARBONATE ALKALINITY 0.	Finding: Report units:	150. MG/L
24-FEB-17 ALKALINITY (TOTAL) AS CACO3 0.	Finding: Report units:	120. MG/L
24-FEB-17 PH, LABORATORY 0.	Finding: Report units:	7.8 Not Reported
24-FEB-17 SPECIFIC CONDUCTANCE 0.	Finding: Report units:	280. US
24-FEB-17 NITRATE + NITRITE (AS N) 0.4	Finding: Report units:	2.5 MG/L
24-FEB-17 AGGRSSIVE INDEX (CORROSIVITY) 0.	Finding: Report units:	12. Not Reported
08-MAR-16 NITRATE (AS N) 0.4	Finding: Report units:	2.3 MG/L
17-MAR-15 NITRATE (AS NO3) 2.	Finding: Report units:	9.8 MG/L
20-NOV-14 CHROMIUM, HEXAVALENT 1.	Finding: Report units:	5.8 UG/L
07-APR-14 LANGELIER INDEX @ 60 C 0.	Finding: Report units:	3.e-003 Not Reported
07-APR-14 TOTAL DISSOLVED SOLIDS	Finding: Report units:	190. MG/L

6.8 MG/L

Finding:

Report units:

Sample date: Chemical: Dlr:	07-APR-14 CHLORIDE 0.	Finding: Report units:	5.4 MG/L
Sample date: Chemical: Dlr:	07-APR-14 POTASSIUM 0.	Finding: Report units:	3.6 MG/L
Sample date: Chemical: Dlr:	07-APR-14 SODIUM 0.	Finding: Report units:	17. MG/L
Sample date: Chemical: Dlr:	07-APR-14 MAGNESIUM 0.	Finding: Report units:	10. MG/L
Sample date: Chemical: Dlr:	07-APR-14 CALCIUM 0.	Finding: Report units:	22. MG/L
Sample date: Chemical: Dlr:	07-APR-14 HARDNESS (TOTAL) AS CACO3 0.	Finding: Report units:	97. MG/L
Sample date: Chemical: Dlr:	07-APR-14 BICARBONATE ALKALINITY 0.	Finding: Report units:	140. MG/L
Sample date: Chemical: Dlr:	07-APR-14 ALKALINITY (TOTAL) AS CACO3 0.	Finding: Report units:	120. MG/L
Sample date: Chemical: Dlr:	07-APR-14 PH, LABORATORY 0.	Finding: Report units:	8.1 Not Reported
Sample date: Chemical: Dlr:	07-APR-14 SPECIFIC CONDUCTANCE 0.	Finding: Report units:	250. US
Sample date: Chemical: Dlr:	07-APR-14 AGGRSSIVE INDEX (CORROSIVITY) 0.	Finding: Report units:	12. Not Reported
Sample date: Chemical: Dlr:	07-APR-14 NITRATE (AS NO3) 2.	Finding: Report units:	9.5 MG/L
Sample date: Chemical: Dlr:	13-MAR-14 NITRATE (AS NO3) 2.	Finding: Report units:	9.8 MG/L
Sample date: Chemical: Dlr:	05-JUN-13 NITRATE (AS NO3) 2.	Finding: Report units:	9.7 MG/L
Sample date: Chemical: Dlr:	13-MAR-12 RADIUM 228 COUNTING ERROR 0.	Finding: Report units:	0.401 PCI/L
Sample date: Chemical:	08-MAR-12 NITRATE (AS NO3)	Finding: Report units:	9.5 MG/L

Dir:	2.			
4 SE 1/4 - 1/2 Mile Lower			CA WELLS	CADWR9000030604
State Well #: Well Name: Well Use: Well Depth:	13S19E23E001M KRCDFID098 Irrigation 0	Station ID: Basin Name: Well Type: Well Completion Rpt #:	15839 Kings Single Not R	e Well leported
5 SSE 1/4 - 1/2 Mile Lower			FED USGS	USGS40000177701
Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	USGS-CA USGS California Water Science C 013S019E22G001M Not Reported Not Reported Central Valley aquifer system Not Reported 1943 ft Not Reported	Center Type: HUC: Drainage Area Units: Contrib Drainage Area U Aquifer Type: Well Depth: Well Hole Depth:	Well 1803(Not R Jnts: Not R Not R 125 Not R	2012 Reported Reported Reported
B6 NW 1/4 - 1/2 Mile Higher			CA WELLS	CADDW0000010063
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	1010007-344 Department of Health Services WELL 169 - RAW https://gamagroundwater.waterbo date=&global_id=&assigned_nam Not Reported	Well Type: GAMA PFAS Testing: ards.ca.gov/gama/gamamap/ e=1010007-344&store_num=	MUNI Not R public/GamaDat	ICIPAL eported aDisplay.asp?dataset=DHS&samp_
B7 NW 1/4 - 1/2 Mile Higher			CA WELLS	CAUSGSN00005672
- Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	USGS-364752119532401 United States Geological Survey USGS-364752119532401 https://gamagroundwater.waterbo amp_date=&global_id=&assigned Not Reported	Well Type: GAMA PFAS Testing: ards.ca.gov/gama/gamamap/ _name=USGS-36475211953	UNK Not R public/GamaDat 2401&store_nur	eported aDisplay.asp?dataset=USGSNEW&s n=

Map ID Direction Distance				
Elevation			Database	EDR ID Number
B8 NW 1/4 - 1/2 Mile Higher			FED USGS	USGS40000177826
Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	USGS-CA USGS California Water Science Cente 013S019E15Q001M Not Reported Not Reported Central Valley aquifer system Not Reported 19931110 ft ft	er Type: HUC: Drainage Area Units: Contrib Drainage Area U Aquifer Type: Well Depth: Well Hole Depth:	Well Not R Not R nts: Not R 760 780	eported eported eported eported
9 SW 1/4 - 1/2 Mile Lower			CA WELLS	CADPR000005361
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	93445 Department of Pesticide Regulation 93445 https://gamagroundwater.waterboards date=&global_id=&assigned_name=9 Not Reported	Well Type: GAMA PFAS Testing: s.ca.gov/gama/gamamap/p 3445&store_num=	UNK Not R public/GamaDat	eported aDisplay.asp?dataset=DPR&samp_
C10 South 1/2 - 1 Mile			CA WELLS	CADDW0000019268
Well ID:	1010007-391	Well Type:	MUNI	CIPAL
Source: Other Name: Groundwater Quality Data: GeoTracker Data:	Department of Health Services WELL 171-1 RAW https://gamagroundwater.waterboards date=&global_id=&assigned_name=1 Not Reported	GAMA PFAS Testing: s.ca.gov/gama/gamamap/g 010007-391&store_num=	Not R bublic/GamaDat	eported aDisplay.asp?dataset=DHS&samp_
C11 South 1/2 - 1 Mile Lower			CA WELLS	CADDW0000021033
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	1010007-392 Department of Health Services WELL 171-2 RAW https://gamagroundwater.waterboards date=&global_id=&assigned_name=1 Not Reported	Well Type: GAMA PFAS Testing: s.ca.gov/gama/gamamap/g 010007-392&store_num=	MUNI Not R public/GamaDat	CIPAL eported aDisplay.asp?dataset=DHS&samp_

Map ID Direction				
Distance Elevation			Database	EDR ID Number
12			Dalababb	EBR IB Hambor
ESE 1/2 - 1 Mile			FED USGS	USGS40000177724
Lower				
Organization ID:	USGS-CA			
Organization Name:	USGS California Water Science C	enter		
Monitor Location:	013S019E23E001M	Туре:	Well	
Description:	Not Reported	HUC:	1803	0012
Drainage Area:	Not Reported	Drainage Area Units:	NOT H	Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area U	Ints: NOT P	керопеа
Formation Type:	Not Reported		Not F	Penorted
Construction Date:	Not Reported	Well Depth:	Not F	Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not F	Reported
Well Hole Depth Units:	Not Reported			
Ground water levels Number	er of Measurements: 1	Level reading date:	1963	-10-14
Feet below surface:	71.02	Feet to sea level:	Not F	Reported
Note:	Not Reported			
D13 East 1/2 - 1 Mile Higher			CA WELLS	11586
Sea	11586	Prim sta c [.]	13S/19E-14	1P01 M
Frds no:	1010007233	County:	100,102 14	
District:	11	User id:	AGE	
System no:	1010007	Water type:	G	
Source nam:	WELL 099	Station ty:	WELL/AMB	NT/MUN/INTAKE
Latitude:	364742.0	Longitude:	1195220.0	
Precision:	2	Status:	AU	
Comment 1:	Not Reported	Comment 2:	Not Reporte	ed
Comment 3:	Not Reported	Comment 4:	Not Reporte	
Comment 7:	Not Reported	Comment 6.		eu
Svstem no:	1010007	Svstem nam:	Fresno. Citv	v Of
Hqname:	Not Reported	Address:	2326 FRES	NO STREET
City:	FRESNO	State:	CA	
Zip:	93721	Zip ext:	2988	
Pop serv:	390350	Connection:	99005	
Area serve:	CITY OF FRESNO			
D14 Fast				CADDW0000013987
1/2 - 1 Mile Higher				
Well ID:	1010007-233	Well Type:	MUN	ICIPAL
Source:	Department of Health Services			
Other Name:	WELL 099 - DESTROYED	GAMA PFAS Testing:	Not F	Reported
Groundwater Quality Data:	https://gamagroundwater.waterboa date=&global_id=&assigned_name	ards.ca.gov/gama/gamamap/j e=1010007-233&store_num=	public/GamaDa	taDisplay.asp?dataset=DHS&samp
Georracher Dala.	Not Reported			

Map ID Direction				
Elevation			Database	EDR ID Number
15 NW 1/2 - 1 Mile Higher			CA WELLS	CADDW000000240
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	1000371-001 Department of Health Services WELL https://gamagroundwater.waterboard: date=&global_id=&assigned_name=1 Not Reported	Well Type: GAMA PFAS Testing: s.ca.gov/gama/gamamap/ 000371-001&store_num=	MUNI Not R /public/GamaDat =	CIPAL eported aDisplay.asp?dataset=DHS&samp_
E16 SSW 1/2 - 1 Mile Lower			CA WELLS	CADWR0000023858
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	13S19E23E004M Department of Water Resources 13S19E23E004M https://gamagroundwater.waterboard date=&global_id=&assigned_name=1 Not Reported	Well Type: GAMA PFAS Testing: s.ca.gov/gama/gamamap/ 3S19E23E004M&store_r	UNK Not R /public/GamaDat hum=	eported aDisplay.asp?dataset=DWR&samp_
E17 SSW 1/2 - 1 Mile Lower			CA WELLS	CADWR0000014380
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	13S19E23E005M Department of Water Resources 13S19E23E005M https://gamagroundwater.waterboarda date=&global_id=&assigned_name=1 Not Reported	Well Type: GAMA PFAS Testing: s.ca.gov/gama/gamamap/ 3S19E23E005M&store_r	UNK Not R /public/GamaDat hum=	eported aDisplay.asp?dataset=DWR&samp_
18 North 1/2 - 1 Mile Higher			CA WELLS	CADDW0000004552
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	1000252-001 Department of Health Services PRIMARY WELL https://gamagroundwater.waterboard: date=&global_id=&assigned_name=1 Not Reported	Well Type: GAMA PFAS Testing: s.ca.gov/gama/gamamap/ 000252-001&store_num=	MUNI Not R /public/GamaDat =	CIPAL eported aDisplay.asp?dataset=DHS&samp_

Map ID Direction				
Distance Elevation			Database	EDR ID Number
19 SSE 1/2 - 1 Mile Lower			CA WELLS	CADWR0000001409
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	13S19E23G001M Department of Water Resources 13S19E23G001M https://gamagroundwater.waterboard: date=&global_id=&assigned_name=1 Not Reported	Well Type: GAMA PFAS Testing: s.ca.gov/gama/gamamap 3S19E23G001M&store_	UNK Not R /public/GamaDat num=	eported aDisplay.asp?dataset=DWR&samp
F20 NNW			CA WELLS	CADDW0000002888
Higher Well ID:	1000334-001 Department of Health Services	Well Type:	MUNI	ICIPAL
Other Name: Groundwater Quality Data:	WELL https://gamagroundwater.waterboard date=&global_id=&assigned_name=1	GAMA PFAS Testing: s.ca.gov/gama/gamamap 000334-001&store_num	Not R /public/GamaDat =	eported aDisplay.asp?dataset=DHS&samp_
F21 NNW 1/2 - 1 Mile			CA WELLS	11588
Higher				
Seq: Frds no: District: System no: Source nam: Latitude: Precision: Comment 1: Comment 3: Comment 5: Comment 5: Comment 7: System no: Hqname: City: Zip: Pop serv: Area serve:	11588 1000334001 40 1000334 TEAGUE SCHOOL WELL 364813.0 3 SYSTEM LOCKED Not Reported Not Reported Not Reported 1000334 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported O Not Reported	Prim sta c: County: User id: Water type: Station ty: Longitude: Status: Comment 2: Comment 2: Comment 4: Comment 6: System nam: Address: State: Zip ext: Connection:	13S/19E-15 10 10C G WELL/AMB 1195323.0 AR Not Reporte Not Reporte Not Reporte Not Reporte Not Reporte Not Reporte Not Reporte	F01 M NT/MUN/INTAKE ed ed ed ed ed ed
22 NNE 1/2 - 1 Mile Higher			CA WELLS	11585
Seq: Frds no:	11585 1000252001	Prim sta c: County:	13S/19E-14 10	D02 M

District: System no: Source nam: Latitude: Precision: Comment 1: Comment 3: Comment 5: Comment 7: System no: Hqname: City: Zip: Pop serv: Area serve:	40 1000252 4747 N CORNIELLA 364818.0 3 Not Reported Not Reported Not Reported 1000252 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported	User id: Water type: Station ty: Longitude: Status: Comment 2: Comment 4: Comment 6: System nam: Address: State: Zip ext: Connection:	10C G WELL/AMBI 1195246.0 AR Not Reporte Not Reporte Not Reporte Not Reporte Not Reporte Not Reporte 0	NT/MUN/INTAKE d d d d
23 WNW 1/2 - 1 Mile Hinber		с	A WELLS	CADDW0000019441
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	1010007-716 Department of Health Services WELL 358 - RAW https://gamagroundwater.waterboa date=&global_id=&assigned_name Not Reported	Well Type: GAMA PFAS Testing: ards.ca.gov/gama/gamamap/put =1010007-716&store_num=	MUNI Not R blic/GamaData	CIPAL eported aDisplay.asp?dataset=DHS&samp_
24 North 1/2 - 1 Mile Higher		с	A WELLS	CADDW0000007911
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	1010007-239 Department of Health Services WELL 105 - RAW https://gamagroundwater.waterboa date=&global_id=&assigned_name Not Reported	Well Type: GAMA PFAS Testing: ards.ca.gov/gama/gamamap/put =1010007-239&store_num=	MUNI Not R blic/GamaData	CIPAL eported aDisplay.asp?dataset=DHS&samp_
25 North 1/2 - 1 Mile Higher		F	ED USGS	USGS40000177924
Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	USGS-CA USGS California Water Science Ca 013S019E15C001M Not Reported Not Reported Central Valley aquifer system Not Reported 19460724 ft	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts Aquifer Type: Well Depth: Well Hole Depth:	Well 18030 Not R s: Not R Not R 81 101	0012 eported eported eported

Map ID Direction				
Distance Elevation			Database	EDR ID Number
G26 SE 1/2 - 1 Mile Lower			CA WELLS	CADWR0000018116
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	13S19E23H002M Department of Water Resources 13S19E23H002M https://gamagroundwater.waterboar date=&global_id=&assigned_name Not Reported	Well Type: GAMA PFAS Testing: rds.ca.gov/gama/gamamap =13S19E23H002M&store_	UNK Not R b/public/GamaDat num=	eported aDisplay.asp?dataset=DWR&samp_
G27 SE 1/2 - 1 Mile Lower			CA WELLS	CADWR0000015727
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	13S19E23H001M Department of Water Resources 13S19E23H001M https://gamagroundwater.waterboar date=&global_id=&assigned_name: Not Reported	Well Type: GAMA PFAS Testing: ds.ca.gov/gama/gamamap =13S19E23H001M&store_	UNK Not R /public/GamaDat num=	eported aDisplay.asp?dataset=DWR&samp_
H28 East 1/2 - 1 Mile Higher			CA WELLS	CAEDF0000012718
Well ID: Source: GAMA PFAS Testing: Groundwater Quality Data: GeoTracker Data:	T1000006288-MW-2 EDF Not Reported https://gamagroundwater.waterboar date=&global_id=T10000006288&a https://geotracker.waterboards.ca.g igned_name=MW-2	Well Type: Other Name: rds.ca.gov/gama/gamamap ssigned_name=MW-2&sto ov/profile_report.asp?cmd=	MONI MW-2 /public/GamaDat re_num= =MWEDFResults	TORING aDisplay.asp?dataset=EDF&samp_ &global_id=T10000006288&ass
H29 East 1/2 - 1 Mile Higher			CA WELLS	CAEDF0000101928
Well ID: Source: GAMA PFAS Testing: Groundwater Quality Data: GeoTracker Data:	T10000006288-MW-3 EDF Not Reported https://gamagroundwater.waterboar date=&global_id=T10000006288&a https://geotracker.waterboards.ca.g igned_name=MW-3	Well Type: Other Name: ds.ca.gov/gama/gamamap ssigned_name=MW-3&sto ov/profile_report.asp?cmd=	MONI MW-3 /public/GamaDat re_num= =MWEDFResults	TORING aDisplay.asp?dataset=EDF&samp_ &global_id=T10000006288&ass

Map ID Direction Distance				
Elevation			Database	EDR ID Number
30 WNW 1/2 - 1 Mile Higher			FED USGS	USGS40000177832
Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	USGS-CA USGS California Water Science Ce 013S019E16K002M Not Reported Not Reported Central Valley aquifer system Not Reported 195907 ft Not Reported	nter Type: HUC: Drainage Area Units: Contrib Drainage Area U Aquifer Type: Well Depth: Well Hole Depth:	Well 1803 Not F Ints: Not F Not F 165 Not F	0012 Reported Reported Reported
Ground water levels,Number o Feet below surface: Note:	of Measurements: 1 79.59 Not Reported	Level reading date: Feet to sea level:	1963 Not F	-10-14 Reported
H31 East 1/2 - 1 Mile Higher			CA WELLS	CAEDF0000110405
Well ID: Source: GAMA PFAS Testing: Groundwater Quality Data: GeoTracker Data:	T10000006288-MW-1 EDF Not Reported https://gamagroundwater.waterboar date=&global_id=T10000006288&a https://geotracker.waterboards.ca.g igned_name=MW-1	Well Type: Other Name: ds.ca.gov/gama/gamamap/j ssigned_name=MW-1&store ov/profile_report.asp?cmd=I	MON MW- ⁻ public/GamaDa e_num= MWEDFResults	IITORING 1 taDisplay.asp?dataset=EDF&samp_ s&global_id=T10000006288&ass
32 South 1/2 - 1 Mile Lower			CA WELLS	CADWR0000014318
Well ID: Source: Other Name: Groundwater Quality Data: GeoTracker Data:	13S19E23L001M Department of Water Resources 13S19E23L001M https://gamagroundwater.waterboar date=&global_id=&assigned_name= Not Reported	Well Type: GAMA PFAS Testing: ds.ca.gov/gama/gamamap/j =13S19E23L001M&store_nt	UNK Not F public/GamaDa um=	Reported taDisplay.asp?dataset=DWR&samp_
I33 North 1/2 - 1 Mile Higher			CA WELLS	CAEDF0000115864
Well ID: Source: GAMA PFAS Testing:	T0601900067-MW-5 EDF Not Reported	Well Type: Other Name:	MON MW-	ITORING 5
GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Groundwater Quality Data: GeoTracker Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&s date=&global_id=T0601900067&assigned_name=MW-5&store_num= https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601900067&as gned_name=MW-5				
I34 North 1/2 - 1 Mile Higher		c	A WELLS	CAEDF0000004022	
Well ID: Source: GAMA PFAS Testing: Groundwater Quality Data: GeoTracker Data:	T0601900067-MW-3 EDF Not Reported https://gamagroundwater.waterbo date=&global_id=T0601900067& https://geotracker.waterboards.ca gned_name=MW-3	Well Type: Other Name: pards.ca.gov/gama/gamamap/put assigned_name=MW-3&store_nu .gov/profile_report.asp?cmd=MV	MON MW-3 blic/GamaDa um= VEDFResults	IITORING 3 taDisplay.asp?dataset=EDF&samp_ s&global_id=T0601900067&assi	
I35 North 1/2 - 1 Mile Higher		c	A WELLS	CAEDF0000049212	
Well ID: Source: GAMA PFAS Testing: Groundwater Quality Data: GeoTracker Data:	T0601900067-MW-1 EDF Not Reported https://gamagroundwater.waterbo date=&global_id=T0601900067& https://geotracker.waterboards.ca gned_name=MW-1	Well Type: Other Name: pards.ca.gov/gama/gamamap/put assigned_name=MW-1&store_nu a.gov/profile_report.asp?cmd=MV	MON MW- ⁻ plic/GamaDa µm= VEDFResults	IITORING 1 taDisplay.asp?dataset=EDF&samp_ s&global_id=T0601900067&assi	
36 ENE 1/2 - 1 Mile Higher		F	ED USGS	USGS40000177829	
Corganization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	USGS-CA USGS California Water Science (013S019E14L001M Not Reported Not Reported Not Reported Central Valley aquifer system Not Reported 19440331 ft ft	Center Type: HUC: Drainage Area Units: Contrib Drainage Area Unts Aquifer Type: Well Depth: Well Hole Depth:	Well 1803 Not F s: Not F 75 115	0012 Reported Reported	
Ground water levels,Number o Feet below surface: Note:	of Measurements: 1 73.05 Not Reported	Level reading date: Feet to sea level:	1963 Not F	-10-14 Reported	

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Direction Distance				
Elevation			Database	EDR ID Number
137 North 1/2 - 1 Mile Higher			CA WELLS	CAEDF0000093149
Well ID: Source: GAMA PFAS Testing: Groundwater Quality Data: GeoTracker Data:	T0601900067-MW-4 EDF Not Reported https://gamagroundwater.wate date=&global_id=T060190006 https://geotracker.waterboards gned_name=MW-4	Well Type: Other Name: erboards.ca.gov/gama/gama 57&assigned_name=MW-4& s.ca.gov/profile_report.asp?c	MON MW-/ map/public/GamaDa store_num= md=MWEDFResults	IITORING 4 taDisplay.asp?dataset=EDF&sam s&global_id=T0601900067&assi
I38 North 1/2 - 1 Mile Higher			CA WELLS	CAEDF0000139511
Well ID: Source: GAMA PFAS Testing: Groundwater Quality Data: GeoTracker Data:	T0601900067-MW-2 EDF Not Reported https://gamagroundwater.wate date=&global_id=T060190006 https://geotracker.waterboards gned_name=MW-2	Well Type: Other Name: erboards.ca.gov/gama/gama 57&assigned_name=MW-2& s.ca.gov/profile_report.asp?c	MON MW-: map/public/GamaDa store_num= cmd=MWEDFResults	IITORING 2 taDisplay.asp?dataset=EDF&sam s&global_id=T0601900067&assi
I39 North 1/2 - 1 Mile Higher			CA WELLS	CAEDF0000061876
Well ID: Source: GAMA PFAS Testing: Groundwater Quality Data: GeoTracker Data:	T0601900337-MW-7 EDF Not Reported https://gamagroundwater.wate date=&global_id=T060190033 https://geotracker.waterboards gned_name=MW-7	Well Type: Other Name: erboards.ca.gov/gama/gama 37&assigned_name=MW-7& s.ca.gov/profile_report.asp?c	MON MW- map/public/GamaDa store_num= cmd=MWEDFResults	IITORING 7 taDisplay.asp?dataset=EDF&sam s&global_id=T0601900337&assi
I40 North 1/2 - 1 Mile Higher			CA WELLS	CAEDF0000034750
Well ID: Source: GAMA PFAS Testing: Groundwater Quality Data: GeoTracker Data:	T0601900337-MW-8 EDF Not Reported https://gamagroundwater.wate date=&global_id=T060190033 https://geotracker.waterboards gned_name=MW-8	Well Type: Other Name: erboards.ca.gov/gama/gama 87&assigned_name=MW-8& s.ca.gov/profile_report.asp?c	MON MW-i map/public/GamaDa store_num= cmd=MWEDFResults	IITORING 8 taDisplay.asp?dataset=EDF&sam s&global_id=T0601900337&assi

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
41 East 1/2 - 1 Mile Higher			CA WELLS	CAEDF0000082559
Well ID:	T0601900327-MW-3A	Well Type:	MON	IITORING
Source:	EDF	Other Name:	MW-	3A
GAMA PFAS Testing:	Not Reported			
Groundwater Quality Data:	https://gamagroundwater.wate date=&global_id=T060190032	erboards.ca.gov/gama/gama ?7&assigned_name=MW-3A	map/public/GamaDa &store_num=	taDisplay.asp?dataset=EDF&samp
GeoTracker Data:	https://geotracker.waterboards	s.ca.gov/profile_report.asp?c	cmd=MWEDFResults	s&global_id=T0601900327&assi

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93722	38	1

Federal EPA Radon Zone for FRESNO County: 2

```
Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.
```

Federal Area Radon Information for Zip Code: 93722

Number of sites tested: 8

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.738 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program

State Water Resources Control Board

Telephone: 916-341-5577

The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database Source: Department of Water Resources Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division Telephone: 916-323-1779 Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon Source: Department of Public Health Telephone: 916-210-8558 Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information Source: USGS Telephone: 703-356-4020 The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Ashlan Avenue Widening Project

Ashlan Avenue Fresno, CA 93722

Inquiry Number: 6751467.5 November 16, 2021

The EDR-City Directory Abstract



6 Armstrong Road Shelton, CT 06484 800.352.0050 www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business. Please contact EDR at 1-800-352-0050 with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Bus i ness directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2017. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

As ummary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Brad street. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
Cole Information Services	-	Х	х	-
Cole Information Services	-	Х	х	-
Cole Information Services	-	Х	х	-
Cole Information Services	-	Х	х	-
R.L. Polk & Co Publishers	-	Х	х	-
Cole Information Services	-	Х	х	-
R.L. Polk & Co Publishers	-	Х	х	-
Cole Information Services	-	Х	х	-
R.L. Polk & Co Publishers	-	Х	х	-
R.L. Polk & Co Publishers	-	Х	х	-
	Source Cole Information Services Cole Information Services Cole Information Services Cole Information Services R.L. Polk & Co Publishers Cole Information Services R.L. Polk & Co Publishers R.L. Polk & Co Publishers R.L. Polk & Co Publishers	SourceTPCole Information Services-Cole Information Services-Cole Information Services-Cole Information Services-R.L. Polk & Co Publishers-Cole Information Services-R.L. Polk & Co Publishers-Cole Information Services-R.L. Polk & Co Publishers-R.L. Polk & Co Publishers-	SourceIPAdjoiningCole Information Services-XCole Information Services-XCole Information Services-XCole Information Services-XCole Information Services-XR.L. Polk & Co Publishers-XCole Information Services-XCole Information Services-XCole Information Services-XR.L. Polk & Co Publishers-XR.L. Polk & Co Publishers-XR.L. Polk & Co Publishers-XR.L. Polk & Co Publishers-X	SourceIPAdjoiningText AbstractCole Information Services-XXCole Information Services-XXCole Information Services-XXCole Information Services-XXR.L. Polk & Co Publishers-XXCole Information Services-XXCole Information Services-XXCole Information Services-XXCole Information Services-XXR.L. Polk & Co Publishers-XXR.L. Polk & Co Publishers-XXR.L. Polk & Co Publishers-XX

EXECUTIVE SUMMARY

<u>Year</u>	Source	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1980	R.L. Polk & Co Publishers	-	-	-	-
1975	R.L. Polk & Co Publishers	-	-	-	-
1970	R.L. Polk & Co Publisher	-	-	-	-
1965	R.L. Polk & Co Publisher	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1958	R.L. Polk & Co Publishers	-	-	-	-
1952	R.L. Polk & Co Publishers	-	-	-	-
1947	R.L. Polk & Co Publishers	-	-	-	-
1942	R.L. Polk & Co Publishers	-	-	-	-
1937	R.L. Polk & Co Publishers	-	-	-	-
1932	R.L. Polk & Co Publishers	-	-	-	-
1927	R.L. Polk & Co Publishers	-	-	-	-
1922	Polk: Husted Directory Co.	-	-	-	-

TARGET PROPERTY INFORMATION

ADDRESS

Ashlan Avenue Fresno, CA 93722

FINDINGS DETAIL

Target Property research detail.

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

<u>ASHLAN</u>

5070 ASHLAN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	Astorga Rodolfo 7362 C	R.L. Polk & Co Publishers
	Bivens Carl 7382 C	R.L. Polk & Co Publishers
	Bouton Scott 7362 C	R.L. Polk & Co Publishers
	Brennan Mark V 7362 C	R.L. Polk & Co Publishers
	Chatterton David 7362 C	R.L. Polk & Co Publishers
	Coulibaly Nahouo S 7382 C	R.L. Polk & Co Publishers
	Crouch R W 7362 C	R.L. Polk & Co Publishers
	Dean Dotie 7362 C	R.L. Polk & Co Publishers
	Echaverria Emesto 7362 C	R.L. Polk & Co Publishers
	Fow ler Craig A 7362 C	R.L. Polk & Co Publishers
	Frants Herbert E 7362 C	R.L. Polk & Co Publishers
	Gonzales Michael A 7362 C	R.L. Polk & Co Publishers
	Padua Ronnie 7362 C	R.L. Polk & Co Publishers
	Richardson Gaylon S 7 7362 C	R.L. Polk & Co Publishers
	Rodriguez Mike 7362 C	R.L. Polk & Co Publishers
	Smith C 7362 C	R.L. Polk & Co Publishers
	SANDLEWOOD APARTMENTS	R.L. Polk & Co Publishers

5098 ASHLAN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	Dyer MM 7363 C	R.L. Polk & Co Publishers
	Mason Gail P 7363 C	R.L. Polk & Co Publishers
	Walcott Robert 7363 C	R.L. Polk & Co Publishers
	Dihel Ronald L 7363 C	R.L. Polk & Co Publishers
	Cooper Clilord R	R.L. Polk & Co Publishers

5118 ASHLAN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	Bus Doug 7364 C	R.L. Polk & Co Publishers
	Brown Carlyle P 7364 C	R.L. Polk & Co Publishers
	Brow n Adilene	R.L. Polk & Co Publishers

5138 ASHLAN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	Kety B J 7365 C	R.L. Polk & Co Publishers
	Wilkerson Billy 7365 C	R.L. Polk & Co Publishers
	Clark Randy	R.L. Polk & Co Publishers
	Crump Augie 7365 C	R.L. Polk & Co Publishers
	Rafferty J D 7365 C	R.L. Polk & Co Publishers
	Garbett C M 7385 C	R.L. Polk & Co Publishers
	Garbett Bud 7365 C	R.L. Polk & Co Publishers
	Stevens Leslie G 7365 C	R.L. Polk & Co Publishers

5164 ASHLAN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	Reed William A 7386 C	R.L. Polk & Co Publishers
	Reed Gw en 7386 C	R.L. Polk & Co Publishers
	Mc Kee Byron 7366 C	R.L. Polk & Co Publishers
	Lyons John 7366 C	R.L. Polk & Co Publishers
	Kuhn T E 7366 C	R.L. Polk & Co Publishers
	Kuhn A 7386 C	R.L. Polk & Co Publishers
	Kozub Walter M 7366 C	R.L. Polk & Co Publishers
	Dye R L 7366 C	R.L. Polk & Co Publishers
	Acree Jerry	R.L. Polk & Co Publishers
	Williams Dick 7386 C	R.L. Polk & Co Publishers
	Lombardi Vic 7386 C	R.L. Polk & Co Publishers

5188 ASHLAN

<u>Year</u>	<u>Uses</u>	Source
1996	JUSTIN TIME CATERING	R.L. Polk & Co Publishers
	Harvey Galen 7367 C	R.L. Polk & Co Publishers

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	Karaslathis Manuel M 7367 C	R.L. Polk & Co Publishers
	Kern Andrew 7387 C	R.L. Polk & Co Publishers
	Kern Calhi 7367 C	R.L. Polk & Co Publishers
	Randall Charles H 7 7367 C	R.L. Polk & Co Publishers
	Palmer W S 7387 C	R.L. Polk & Co Publishers
	Kroeker Andrew 7367 C	R.L. Polk & Co Publishers

AUSTIN AVE W

5062 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Munoz Jerry	R.L. Polk & Co Publishers
1986	Munoz Genaro	R.L. Polk & Co Publishers

5064 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Vacant	R.L. Polk & Co Publishers

5065 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Santis Bob	R.L. Polk & Co Publishers
1986	No Return	R.L. Polk & Co Publishers

<u>Source</u>

R.L. Polk & Co Publishers R.L. Polk & Co Publishers

5074 AUSTINAVEW

<u>Year</u>	<u>Uses</u>
1990	Nelson Bill
1986	Nelson Bill

5077 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Caudillo Angelita Mrs	R.L. Polk & Co Publishers
1986	Law rence Doug	R.L. Polk & Co Publishers

5088 AUSTINAVEW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R.L. Polk & Co Publishers
1986	Duran Victor M	R.L. Polk & Co Publishers

5091 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Sarkissian Michi	R.L. Polk & Co Publishers
1986	Johnson Cherri	R.L. Polk & Co Publishers

5098 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Dupree Tim L	R.L. Polk & Co Publishers
1986	Dupree Tim L	R.L. Polk & Co Publishers

5101 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R.L. Polk & Co Publishers
1986	No Return	R.L. Polk & Co Publishers

5110 AUSTINAVEW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Nielsen Scott	R.L. Polk & Co Publishers
1986	Case Geoff	R.L. Polk & Co Publishers

5113 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Mathews Douglas	R.L. Polk & Co Publishers
1986	Mathew s Douglas	R.L. Polk & Co Publishers

5122 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Mc Clurg Michi J	R.L. Polk & Co Publishers
1986	Mc Clurg Michl J	R.L. Polk & Co Publishers

5123 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Sepulvada Jenny	R.L. Polk & Co Publishers
1986	Boa Jos	R.L. Polk & Co Publishers

5132 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	Source
1990	Gridar Industries	R.L. Polk & Co Publishers

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	i Salazar Ray G	R.L. Polk & Co Publishers
5135 AUS	STIN AVE W	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R.L. Polk & Co Publishers
1986	No Return	R.L. Polk & Co Publishers
5144 AUS	STIN AVE W	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Leon Albert A	R.L. Polk & Co Publishers
1986	Leon Albert A	R.L. Polk & Co Publishers
5145 AUS	STIN AVE W	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Pomeroy Don L	R.L. Polk & Co Publishers
1986	No Return	R.L. Polk & Co Publishers
5156 AUS	STIN AVE W	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Vacant	R.L. Polk & Co Publishers
1986	No Return	R.L. Polk & Co Publishers
5157 AUS	STIN AVE W	
<u>Year</u>	<u>Uses</u>	<u>Source</u>

Tear	0363	Source
1990	Vacant	R.L. Polk & Co Publishers
1986	AMichareb Kenneth	R.L. Polk & Co Publishers

5167 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Reece Billy	R.L. Polk & Co Publishers
1986	Reece Billy	R.L. Polk & Co Publishers

5168 AUSTINAVEW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Napoletano Nick	R.L. Polk & Co Publishers
1986	AGordan Richd M	R.L. Polk & Co Publishers

5179 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Mc Mullen Chuck D Jr	R.L. Polk & Co Publishers
1986	Mc Muflen Chuck D Jr	R.L. Polk & Co Publishers

5180 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R.L. Polk & Co Publishers
1986	Brew er Donnie	R.L. Polk & Co Publishers

5189 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Mendoza Michi V	R.L. Polk & Co Publishers
1986	Mendoza Michl	R.L. Polk & Co Publishers

5190 AUSTINAVEW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Hurt Danny L	R.L. Polk & Co Publishers
1986	Hurt Danny L	R.L. Polk & Co Publishers

5197 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Jelincich Jas M	R.L. Polk & Co Publishers
1986	Jelincich Jas M	R.L. Polk & Co Publishers

5211 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Sigle Gregory	R.L. Polk & Co Publishers
1986	Sigle Gregory	R.L. Polk & Co Publishers

5223 AUSTIN AVE W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	No Return	R.L. Polk & Co Publishers
1986	Christensen Vera	R.L. Polk & Co Publishers

N CLEO AVE

3864 N CLEO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SALINA ROTHELL	Cole Information Service
3865 N CL	EO AVE	

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	VIVIAN ALDRIDGE	Cole Information Services
2014	VIVIAN ALDRIDGE	Cole Information Services
2009	VIVIAN ALDRIDGE	Cole Information Services
2004	VIVIAN ALDRIDGE	Cole Information Services
2002	Metcalf Peggy J 10 A	R.L. Polk & Co Publishers
1999	VIVIAN ALDRIDGE	Cole Information Services

3866 N CLEO AVE

<u>Year</u>	<u>Uses</u>
2017	MARIA CALDERON-HERNANDEZ
2014	FREDERICK OBODOAGHA
2009	FREDERICK OBODOAGHA
2004	OCCUPANT UNKNOWN
2002	Torralva Ben V III
	Torralva Teresa V 31 A
1999	FREDERICK OBODOAGHA

3875 N CLEO AVE

<u>Year</u>	<u>Uses</u>
2017	JULIO GONZALEZ
2014	JULIO GONZALEZ
2009	SAMUEL DIAZ
2004	JULIO GONZALEZ
2002	Gonzalez Hector J Jr
	Gonzalez Julio H Jr 11+ A
1999	SAMUEL DIAZ
1994	GONZALEZ, JULIO H

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<u>Source</u>

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3878 N CLEO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	RUBEN GALINDO	Cole Information Services
2009	VIRGIE THORNE	Cole Information Services
2004	ANGEL CERVANTES	Cole Information Services
2002	Cervantes Angel G 11 A	R.L. Polk & Co Publishers
	Cervantes Patricia A	R.L. Polk & Co Publishers
1999	VIRGIE THORNE	Cole Information Services

3886 N CLEO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	LOUIS BARBANO	Cole Information Service
2014	LOUIS BARBANO	Cole Information Service
2009	OCCUPANT UNKNOWN	Cole Information Service
2004	LOUIS BARBANO	Cole Information Service
2002	Barbano Debby A E 3+ A	R.L. Polk & Co Publishe

3887 N CLEO AVE

<u>Year</u>	<u>Uses</u>	<u>Sou</u>
2017	LUEVANG	Cole
2014	PIERRE KELLEY	Cole
2009	KEITH KAMIMOTO	Cole
2002	Kamimoto Keith G & Tracy ⊟+ A	R.L.
1999	KEITH KAMIMOTO	Cole

3895 N CLEO AVE

<u>Year</u>	<u>Uses</u>
2017	TONY PHOMMAVONGSAY
2014	TONY PHOMMAVONGSAY
2009	STEVE PHOMMAVONGSAY
2004	STEVE PHOMMAVONGSAY
2002	Phommavongsay Chan L
	N CLEO AVE
	Phommavongsay KhamsIng 131 A
1999	STEVE PHOMMAVONGSAY

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<u>Source</u>

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3898 N CLEO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	EMILO GARZA	Cole Information Services
2014	EMILO GARZA	Cole Information Services
2009	CATALINA LEON	Cole Information Services
2004	EMILIO GARZA	Cole Information Services
2002	Garza Emilio A & Alicia 31 A	R.L. Polk & Co Publishers
1999	CATALINA LEON	Cole Information Services

N DANTE AVE

3870 N DANTE AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	JORGE ACOSTA	Cole Information Services
2014	JORGE ACOSTA	Cole Information Services
2009	JORGE ACOSTA	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2002	Burns Sherlin J 8 A	R.L. Polk & Co Publishers
1999	JORGE ACOSTA	Cole Information Services

3880 N DANTE AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	JOHN MCCORMICK	Cole Information Services
2014	JOHN MCCORMICK	Cole Information Services
2009	JOHN MCCORMICK	Cole Information Services
2004	JOHN MCCORMICK	Cole Information Services
2002	Mc Cormick John M & Sandra 81 A	R.L. Polk & Co Publishers
1999	JOHN MCCORMICK	Cole Information Services

3892 N DANTE AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	DAVID COX	Cole Information Services
2014	DAVID COX	Cole Information Services
2009	DAVID COX	Cole Information Services
2004	ISMAEL ESCOBEDO	Cole Information Services
2002	Phelps Gary R & Linda E+ A	R.L. Polk & Co Publishers

<u>Year</u>	<u>Uses</u>

1994 PHELPS, GARY R

3898 N DANTE AVE

<u>Year</u>	<u>Uses</u>	<u>Sou</u>
2017	IRMA GARZON	Cole
2014	VITALIANO JIMENEZ	Cole
2009	IRMA GARZON	Cole
2004	IRMA GARZON	Cole
2002	Jimemez Vitaliano F	R.L.
	Jimemez Jesus B 1 A	R.L.
	Alvarado Leah P	R.L.
1996	MAGGIES BAR SUPPLY 1103 R	R.L.
1994	MAGGIES BAR SUPPLY	Cole

3910 N DANTE AVE

<u>Year</u>	<u>Uses</u>
2017	TONY YANG
2014	JAMES EILAND
2009	OCCUPANT UNKNOWN
2004	KEVORK SAGHERIAN
2002	Sagherian Kevork G 81+ A
	Sagherian Garabed K

3922 N DANTE AVE

<u>Year</u>	<u>Uses</u>
2017	MARIETTA CABALLERO
2014	MARIETTA CABALLERO
2009	MARIETTA CABALLERO
2004	MARIETTA CABALLERO
2002	Caballero Marietta P 81+ A

3934 N DANTE AVE

<u>Year</u>	<u>Uses</u>
2017	WILLIAM FERNS
2014	JAMES BARSOTTI

<u>Source</u>

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R.L. Polk & Co Publishers

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<u>Source</u> Cole Information Services

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SOTTI	Cole Information Services
ARRASCO	Cole Information Services
rolina A	R.L. Polk & Co Publishers
	SOTTI ARRASCO rolina A

3946 N DANTE AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	BROOKE WALLER	Cole Information Services
2002	Waller Brooke E 81+ A	R.L. Polk & Co Publishers

3958 N DANTE AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	PIERRE CRUZ	Cole Information Services
2014	PIERRE CRUZ	Cole Information Services
2009	STEVE MENDRIN	Cole Information Services
2004	STEVE MENDRIN	Cole Information Services
2002	Mendrin Steve S & Sara 81+ A	R.L. Polk & Co Publishers
1999	STEVE MENDRIN	Cole Information Services
1996	Mendrin Steve 1103 R	R.L. Polk & Co Publishers
	Mendrin Sara 1103 R	R.L. Polk & Co Publishers
1994	MENDRIN, STEVES	Cole Information Services

N FORESTIERE AVE

3864 N FORESTIERE AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	DANIEL HEARNE	Cole Information Services
2014	DANIEL HEARNE	Cole Information Services
2009	DANIEL HEARNE	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2002	Hearne Daniel W & Yvonne 11+ A	R.L. Polk & Co Publishers
1999	DANIEL HEARNE	Cole Information Services

3871 N FORESTIERE AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	RICHARD RICE	Cole Information Servic
2014	RICHARD RICE	Cole Information Servic
2009	RICHARD RICE	Cole Information Servic
2004	RICHARD RICE	Cole Information Servic
2002	Rice Richard 0 & Kathy B 1+ A	R.L. Polk & Co Publishe
1999	RICHARD RICE	Cole Information Servic

3876 N FORESTIERE AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	KEVIN BRANNON	Cole Information Service
2014	KEVIN BRANNON	Cole Information Service
2009	KEVIN BRANNON	Cole Information Service
2004	KEVIN BRANNON	Cole Information Service
2002	Brannon Kevin P 181+ A	R.L. Polk & Co Publisher
1999	KEVIN BRANNON	Cole Information Service
1996	Brannon Kevin 1109 R	R.L. Polk & Co Publisher
1994	BRANNON, KEVIN	Cole Information Service

3879 N FORESTIERE AVE

<u>Year</u>	<u>Uses</u>
2017	MICHAEL HARMON
2014	MICHAEL HARMON
2009	MICHAEL HARMON
2004	OCCUPANT UNKNOWN
2002	Harmon Hubert B
	Harmon Michael D 18+ A

3888 N FORESTIERE AVE

<u>Year</u>	<u>Uses</u>
2017	YEGSABETH TARAKJIAN
2014	YEGSABETH TARAKJIAN
2009	YEGSABETH TARAKJIAN
2004	YEGSABETH TARAKJIAN

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R.L. Polk & Co Publishers
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<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	Tarakjian Yagsabeth N 18+ A	R.L. Polk & Co Publishers
	Tarakjian Lisa	R.L. Polk & Co Publishers
1999	YEGSABETH TARAKJIAN	Cole Information Services

3891 N FORESTIERE AVE

<u>Year</u>	<u>Uses</u>
2017	FREDERICK MCCOLLUM
2014	FREDERICK MCCOLLUM
2009	FREDERICK MCCOLLUM
2004	RACHEL MCCOLLUM
2002	Glass Isaac N Sr & Lucille 18+ a
1999	OCCUPANT UNKNOWN
	FREDERICK MCCOLLUM

3896 N FORESTIERE AVE

<u>Year</u>	<u>Uses</u>
2017	FELIPE RODRIGUEZ
2014	FELIPE RODRIGUEZ
2009	OCCUPANT UNKNOWN
2004	JOYCE GRAY
2002	Gray Joyce Y 18+ A
	Gray Janlene
1999	OCCUPANT UNKNOWN

3897 N FORESTIERE AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	CATHERINE ROSS	Cole Information S
2014	CATHERINE ROSS	Cole Information S
2009	OCCUPANT UNKNOWN	Cole Information S
2004	DOUGLAS KOSOWSKI	Cole Information S
2002	Clary Michael D 181+ A 275 463 E	R.L. Polk & Co Pub
	Clary Jennifer M	R.L. Polk & Co Pub
1996	Clary Aaron D 1104 R	R.L. Polk & Co Pub
1994	CLARY, AARON D	Cole Information S

<u>Source</u>

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3909 N FORESTIERE AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	RAMIRO GALLEGOS	Cole Information Services
2014	RAMIRO GALLEGOS	Cole Information Services
2009	RAMIRO GALLEGOS	Cole Information Services
2004	ELNORA BELL	Cole Information Services
2002	Brooks John L Sr 18+ A	R.L. Polk & Co Publishers
	Duran Jose L B 1+ A	R.L. Polk & Co Publishers
	N FORESTIERE AVE	R.L. Polk & Co Publishers

W ASHLAN AVE

5089 WASHLANAVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	VONG XIONG	Cole Information Services
2014	VONG XIONG	Cole Information Services
2009	VONG XIONG	Cole Information Services
2004	CHAI XIONG	Cole Information Services
2002	Her Moua M	R.L. Polk & Co Publishers
	Her Chao M 1 A	R.L. Polk & Co Publishers
1999	VONG XIONG	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1990	Ghirnenti Gina	R.L. Polk & Co Publishers
1986	Ghimenti Gina Mrs	R.L. Polk & Co Publishers

5106 WASHLAN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	ASCENSION SANTOYO	Cole Information Services
2014	ASCENSION SANTOYO	Cole Information Services
2009	ASCENSION SANTOYO	Cole Information Services
2004	SANTOYOASCENSI	Cole Information Services
	ASCENSION SANTOYO	Cole Information Services
2002	Santoyo Michele V & Ascensio M 3+ A	R.L. Polk & Co Publishers
1999	OCCUPANT UNKNOWN	Cole Information Services
1994	HARDIE, DAVID	Cole Information Services

<u>Year</u><u>Uses</u>

1990	Hardie David
1986	Hardie David

5130 WASHLANAVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	I Augustine Arthur	R.L. Polk & Co Publishers

5134 WASHLAN AVE

<u>Year</u>	<u>Uses</u>	
2014	RICHARD VALENZUELA	
2009	RICHARD VALENZUELA	
2004	AVENELL ELLINGTON	
2002	Eltington Rex C 32 + A	
	Ellington Lee A	
1999	RICHARD VALENZUELA	
1996	Ellinglon RAex C 9033 R	
1994	ELLINGTON, REX C	
1990	Ellingion Rex C	
1986	Ellington Rex C	

5138 WASHLANAVE

<u>Year</u>	<u>Uses</u>
1994	FULTON, SCOTT

5151 W ASHLAN AVE

<u>Year</u>	<u>Uses</u>
2014	SANG NGUYEN
2009	OCCUPANT UNKNOWN
2004	HOAN NGUYEN
2002	Wallis Ralph 0 32 A
1996	Ellinglon Kurt 9033 R
1994	ELLINGTON, KURT
1990	Baker Kent
1986	Blue John

<u>Source</u>			
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<u>Source</u>

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<u>Source</u>

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5152 WASHLAN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	JOHN SOLIS	Cole Information Services
2014	LEON SCROGGINS	Cole Information Services
2009	TIGHE FORTENBERRY	Cole Information Services
2004	BEVERLY SCROGGINS	Cole Information Services
2002	Smith Cathlene 32 A	R.L. Polk & Co Publishers
	LEONS QUALITY ADJUSTERS repossessing serv	R.L. Polk & Co Publishers
1999	TIGHE FORTENBERRY	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1990	Smith Rod	R.L. Polk & Co Publishers
1986	Smith Rod	R.L. Polk & Co Publishers

5164 WASHLAN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	OCCUPANT UNKNOWN	Cole Information Services

5188 WASHLANAVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	RAY CAPUTI	Cole Information Services
2004	RAY CAPUTI	Cole Information Services

5204 WASHLANAVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	MENG VUE	Cole Information Services
2014	MENG VUE	Cole Information Services
2009	MAY YANG	Cole Information Services
2004	JOSE RUVALCABA	Cole Information Services
2002	Ruvalcaba Jose I & Estela Eh+ A	R.L. Polk & Co Publishers
1999	MAY YANG	Cole Information Services
1990	Rubalcaba Jose	R.L. Polk & Co Publishers
1986	Rubalcaba A	R.L. Polk & Co Publishers

5221 WASHLAN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	ALONSO BEJAR	Cole Information Services
2004	LORENZO BEJAR	Cole Information Services
2002	Not Veriied	R.L. Polk & Co Publishers
	RI Vejar Cecilia M	R.L. Polk & Co Publishers
	RI Vejar Lorenzo B 3 S+	R.L. Polk & Co Publishers
1999	ALONSO BEJAR	Cole Information Services
1990	Vejar Lorenzo	R.L. Polk & Co Publishers
1986	Vejar Loreuzo	R.L. Polk & Co Publishers

5223 WASHLAN AVE

<u>Year</u>	<u>Uses</u>
2017	CATHEI FERNANDEZ
2014	CATHEI FERNANDEZ
2009	GILBERT GONZALES
2004	EMILIANO SANCHEZ
2002	Acha Sanchez M
1999	GILBERT GONZALES
1990	Bejar Reynaldo
1986	Bejar Rinaldo

5228 WASHLANAVE

<u>Year</u>	<u>Uses</u>
2017	TOUA VANG
2014	TOUA VANG
	CHEE THAO
	VANG CHEE
2009	MA VANG
2004	MA VANG
1999	MA VANG
	OCCUPANT UNKNOWN
1990	Holder Michl
1986	Knight Eddie

<u>Source</u>

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<u>Source</u>

Cole Information Services R.L. Polk & Co Publishers R.L. Polk & Co Publishers

5245 WASHLAN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	FRANCISCO VELASQUEZ	Cole Information Services
2009	JUAN BEJAR	Cole Information Services
2004	MARIE SACKS	Cole Information Services
2002	Not Verified	R.L. Polk & Co Publishers
1999	JUAN BEJAR	Cole Information Services
1990	Vacant	R.L. Polk & Co Publishers
1986	Bejar Juan	R.L. Polk & Co Publishers

5285 WASHLAN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Bravo Juan	R.L. Polk & Co Publishers

5323 WASHLAN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	JAMES MATTHEWS	Cole Information Services
2014	KENNETH BLEVENS	Cole Information Services
2009	KENNETH BLEVENS	Cole Information Services
2004	KENNETH BLEVENS	Cole Information Services
2002	Blevens Kenneth L & Margaret 32+ A	R.L. Polk & Co Publishers
1999	KENNETH BLEVENS	Cole Information Services
1996	Blevens Kenneth 8900 R	R.L. Polk & Co Publishers
1994	BLEVENS, KENNETH	Cole Information Services
1990	Blevens Kenneth	R.L. Polk & Co Publishers
1986	Blevens Kenneth	R.L. Polk & Co Publishers

W AUSTIN WAY

5053 WAUSTINWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	OCCUPANT UNKNOWN	Cole Information Services
2002	Hayer Balw ant K	R.L. Polk & Co Publishers
	Hayer Patmjit S E 0+ A	R.L. Polk & Co Publishers

5062 WAUSTIN WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	GENARO MUNOZ	Cole Information Services
2014	GENARO MUNOZ	Cole Information Services
2009	GENARO MUNOZ	Cole Information Services
2004	GENARO MUNOZ	Cole Information Services
2002	Munoz Genaro S Sr 0h+ A	R.L. Polk & Co Publishers
	Munoz Margaret E	R.L. Polk & Co Publishers
1999	GENARO MUNOZ	Cole Information Services
1996	Munoz Genaro 9114 R	R.L. Polk & Co Publishers

5065 WAUSTINWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	DEBBIE GILBERT	Cole Information Services
2014	DEBBIE GILBERT	Cole Information Services
2009	JOSEARAIZA	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2002	Araiza Jose A 01 A	R.L. Polk & Co Publishers
	Aralza Sylvia	R.L. Polk & Co Publishers
	Santos Robert J 01+ A	R.L. Polk & Co Publishers
1999	JOSEARAIZA	Cole Information Services

5074 W AUSTIN WAY

<u>Year</u>	<u>Uses</u>
2017	OSCAR GONZALEZ
2014	OSCAR GONZALEZ
2009	OSCAR GONZALEZ
2004	OSCAR GONZALEZ
2002	Barros Lourdes G
1999	OSCAR GONZALEZ
	OCCUPANT UNKNOWN

5077 WAUSTIN WAY

<u>Year</u>	<u>Uses</u>
2017	MATTHEW RODRIGUEZ

<u>Source</u>

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<u>Source</u> Cole Information Services

<u>Year</u>	<u>Uses</u>
2014	ANGELITA CAUDILLO
2009	OCCUPANT UNKNOWN
2004	JOSEPH CAUDILLO
2002	Law rence Douglas R 0 S+ A
1999	OCCUPANT UNKNOWN

5088 WAUSTIN WAY

<u>Year</u>	<u>Uses</u>
2017	NANCY ARAGON
2014	NANCY ARAGON
2009	NANCY ARAGON
2004	NANCY ARAGON
2002	Aragon Nancy A 0+ A
	Aragon Tom A
1999	NANCY ARAGON

5091 WAUSTIN WAY

<u>Year</u>	<u>Uses</u>
2017	LONG NGUYEN
2014	OCCUPANT UNKNOWN
2009	MICHAEL BOONE
2004	MICHAEL BOONE
2002	Boone Michael G 0D A
	Davis Jeffery A 01+ A
1999	MICHAEL BOONE

5098 WAUSTINWAY

<u>Year</u>	<u>Uses</u>
2017	MARIO BELTRAN
2014	JASON BLUE
2009	ROBERT AUBUCHON
2002	Ward Jeff J 10 A
	Lorenz Laura L 02 A
1999	ROBERT AUBUCHON

<u>Source</u>

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5101 WAUSTIN WAY

<u>Year</u>	<u>Uses</u>
2017	ARTHUR GOJARA
2014	ARTHUR GOJARA
2009	ARTHUR GOJARA
2002	Fisher Tene R 0D
1999	ARTHUR GOJARA

5105 WAUSTINWAY

<u>Year</u>	<u>Uses</u>
2002	Gojara Delfina D

5110 WAUSTINWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	CHAILOR	Cole Information Se
2014	SENG LOR	Cole Information Se
2009	SENG LOR	Cole Information Se
2004	SENG LOR	Cole Information Se
1999	SENG LOR	Cole Information Se

5113 WAUSTIN WAY

<u>Year</u>	<u>Uses</u>
2017	EMMETT ASHLEY
2014	EMMETT ASHLEY
2009	EMMETT ASHLEY
2004	VA PHAO
1999	EMMETT ASHLEY

5122 WAUSTIN WAY

<u>Year</u>	<u>Uses</u>
2017	JOHN LAVIGNE
2014	JOHN LAVIGNE
2009	OCCUPANT UNKNOWN
2004	JOHN LAVIGNE
2002	Lavigne John S Jr 0 B A
	Lavlgne Pa A

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Year Uses 1999 Occupant unknown

5123 WAUSTINWAY

<u>Year</u>	<u>Uses</u>	
2009	OCCUPANT UNKNOWN	
2004	OCCUPANT UNKNOWN	
2002	Gonzalez Paul D	
	Gonzalez Marylou L C	
1999	OCCUPANT UNKNOWN	

5132 WAUSTINWAY

Year <u>Uses</u> 2017 RAYMOND SALAZAR 2014 RAYMOND SALAZAR 2009 MAX ALCANTAR 2004 PATRICIA TORRES 2002 Garza Roxanne t 1999 OCCUPANT UNKNOWN MAX ALCANTAR 1994 **GRIDER INDUSTRIES**

5135 W AUSTIN WAY

<u>Year</u>	<u>Uses</u>
2017	JUAN LOPEZ
2014	SIMON LOPEZ
2009	SIMON LOPEZ
2004	ALMA LOPEZ
2002	Lopez Simon Jr 0 E A
	Lopez Fernando
1999	SIMON LOPEZ

5144 WAUSTINWAY

<u>Year</u>	<u>Uses</u>
2017	ISMAEL MURILLO
2014	IGNACIO PATTERSON

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<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	CHRISTY PATTERSON	Cole Informa
2004	JOGINDER SOHAL	Cole Informa
2002	Sohal Gurjit S	R.L. Polk & C
	Sohal JogInder S 5 A	R.L. Polk & C
1999	CHRISTY PATTERSON	Cole Informa

5145 WAUSTINWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	Hankins Melba M	R.L. Polk & Co Publishers
	Hankins Lisa M 0 S A	R.L. Polk & Co Publishers

5156 WAUSTINWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	PAUL GOOSSEN	Cole Information Services
2004	PAUL GOOSSEN	Cole Information Services
2002	Gonzalez Joe L & Margaret 01+ A	R.L. Polk & Co Publishers
1999	PAUL GOOSSEN	Cole Information Services

5157 WAUSTINWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	SHARON PORTER	Cole Information S
2014	SHARON PORTER	Cole Information S
2009	PAMELA PORTER	Cole Information S
2002	Muhareb Shafiq K 01+ A	R.L. Polk & Co Put
	AI ILIMO VVMI 10 D	R.L. Polk & Co Put
	W AUSTIN WAY	R.L. Polk & Co Put
1999	OCCUPANT UNKNOWN	Cole Information S
	PAMELA PORTER	Cole Information S
1994	NEW HORIZONS RFNG	Cole Information S

5167 WAUSTIN WAY

<u>Year</u>	<u>Uses</u>
2017	SEVERIANO PORRAZ
2014	SEVERIANO PORRAZ

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5168 WAUSTIN WAY

<u>Year</u>	<u>Uses</u>	<u>s</u>
2014	OCCUPANT UNKNOWN	C
2004	KIRBY KERNS	C
2002	Kerns Kirby V & Stacey	F

5179 WAUSTINWAY

<u>Year</u>	<u>Uses</u>
2017	MARIA LOPEZ
2014	MARIA LOPEZ
2009	MARIA LOPEZ
2004	ALEX SMALL
2002	Small Alma G 271 06t
	Small Alex W ! A I
1999	MARIA LOPEZ
	OCCUPANT UNKNOWN

5180 WAUSTINWAY

<u>Year</u>	<u>Uses</u>
2017	KIM RUTHERFORD
2014	KIM RUTHERFORD
2004	TAMMY COLLINS
2002	Salazar Ofelia S

5189 WAUSTIN WAY

<u>Year</u>	<u>Uses</u>
2017	CHUCK HANKINS
2014	CHUCK HANKINS
2009	CHUCK HANKINS

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<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	CHUCK HANKINS	Cole Information Services
2002	Hankins Charles R Z A	R.L. Polk & Co Publishers

5190 WAUSTINWAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	ΝΑΟΜΙΤΑΙΤΟ	Cole Information Services
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	DARRELL NUNEZ	Cole Information Services
2004	DANNY HURT	Cole Information Services
2002	Hurt Danny L Sr & Deanie B 0+ A	R.L. Polk & Co Publishers
1999	DARRELL NUNEZ	Cole Information Services

5197 WAUSTINWAY

<u>Year</u>	<u>Uses</u>	<u>Sou</u>
2017	EUGENE WOLLERTON	Cole
2014	HILDA HINOJOSA	Cole
2009	OCCUPANT UNKNOWN	Cole
2004	SUSAN JELINCICH	Cole
2002	Jelincich Susan J	R.L.
1996	Jellncich James M 9117 R	R.L.
1994	JELINCICH, JAMES M	Cole

5211 WAUSTINWAY

<u>Year</u>	<u>Uses</u>
2014	ERNEST WILSON
2009	RICHARD TRIGO
2004	RICHARD TRIGO
2002	Trigo Richard 0 B A
	Trigo Virginia R
1999	RICHARD TRIGO

5223 WAUSTINWAY

<u>Year</u>	<u>Uses</u>
2017	SANDRA DUMLAO
2014	SANDRA DUMLAO

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<u>Year</u>	<u>Uses</u>
2009	SANDRA DUMLAO
2004	SANDRA DUMLAO
2002	Dumlao Sandra 1 A
1999	SANDRA DUMLAO

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5128 W BUCKINGHAM WAY

<u>Uses</u>

<u>Year</u>

<u>Source</u>
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<u>Source</u>

2017	SONYA JACKSON	Cole Information Services
2014	CHARLIE PERRY	Cole Information Services
2009	CHARLIE PERRY	Cole Information Services
2004	CHARLIE PERRY	Cole Information Services
2002	Perry Charlie V & Jane I+	R.L. Polk & Co Publishers
1999	CHARLIE PERRY	Cole Information Services

5136 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>
2017	RICHARD BEAR
2014	OCCUPANT UNKNOWN
2009	RICHARD BEAR
2004	RICHARD BEAR
2002	Bear Rick W CM a
1999	RICHARD BEAR

5144 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>
2014	JOSE CARLOS
2009	JERRY CARLOS
2004	JERRY CARLOS
2002	Wickroy Jeffrey A

5149 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>
2002	Williams Ammy L In

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5199 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	ROBERT LOPEZ	Cole Information Services
2009	ROBERT LOPEZ	Cole Information Services
2004	ANTOINETTE AMADOR	Cole Information Services
	RICHARD STEWART	Cole Information Services
	LILA DELEON	Cole Information Services
	SPAN CONSTRUCTION INC	Cole Information Services
2002	Deleon Feliciano N Jr & Marisa CM A	R.L. Polk & Co Publishers
1999	ROBERT LOPEZ	Cole Information Services
1996	Carter Jerome 1108 R	R.L. Polk & Co Publishers
	Carter Vanessa 1108 R	R.L. Polk & Co Publishers

5207 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	PATRICK BARTLETT	Cole Information Services
2014	BARNEY BARNES	Cole Information Services
2004	SARAH KORNOFF	Cole Information Services
2002	Kornoff Pete J & Sarah 1+ A	R.L. Polk & Co Publishers

5219 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>
2017	MICHAEL CORNELL
2014	LISA CORNELL
2009	MICHAEL CORNELL
2004	MICHAEL CORNELL
2002	Cornell Mike E & Lisa In A
1999	OCCUPANT UNKNOWN

5231 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>
2017	SUDERSHAN RANDHAWA
2014	KARNAIL GALBADORES
2009	S RANDHAWA
2004	KARNAIL RANDHAWA

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<u>Year</u>	<u>Uses</u>
2002	Randhaw a Karnail
	Randhaw a Lakvinder S I A
1999	S RANDHAWA
	OCCUPANT UNKNOWN

5245 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	CHARLES WITRADO	Cole Informat
2014	CHARLES WITRADO	Cole Informat
2004	BRICIA GONZALEZ	Cole Informat
2002	GLASS MEDIC PLUS	R.L. Polk & Co
	CLEARMAX window cleaning	R.L. Polk & Co
	Witrado Gay	R.L. Polk & Co
	Witrado Chuck G Jr a	R.L. Polk & Co

5257 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>
2014	JOAQUIN GONZALEZ
2009	OCCUPANT UNKNOWN
2004	JESSE PARRA
2002	Aragon Richard 181+ a
	Parra Jesse & Velma In A

5269 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>
2017	ERIC CARLSON
2014	ERIC CARLSON
2009	ERIC CARLSON
2004	ERIC CARLSON
2002	Not Verified

5281 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>
2017	MARCO PEREZ
2014	MODESTA AREVALO

<u>Source</u>

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<u>Source</u> Cole Information Services Cole Information Services

<u>Year</u>	<u>Uses</u>	
2009	FERNANDEZ HIPOLITO	
2004	OCCUPANT UNKNOWN	
2002	Fernandez Hipolifo M B 1 A	
	Fernandez Jose M	
1999	FERNANDEZ HIPOLITO	
1996	Franey John G 1111 R	
1994	FRANEY, JOHN G	

5293 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>	
2017	BRUCE WONG	
2014	BRUCE WONG	
2009	BRUCE WONG	
2004	BRUCE WONG	
2002	Wong Bruce J & Jeanne 1	A
1999	BRUCE WONG	

5305 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>	So
2017	JESSICA YANG	Col
2014	CHUEYANG	Col
2009	CHUEYANG	Col
1999	CHUEYANG	Col

5319 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	DANNY SANDUVONG	Cole Information Services
2014	JULIE NAJERA	Cole Information Services
2009	SATWINDER KAUR	Cole Information Services
2004	DOUG HARRIS	Cole Information Services
2002	Harris Jack D Sr & Patricia 11 S+ A	R.L. Polk & Co Publishers
	W BUCKINGHAM WAY	R.L. Polk & Co Publishers
1999	SATWINDER KAUR	Cole Information Services

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5331 W BUCKINGHAM WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	SONG SOY SOUMOUNTHA	Cole Information Services
2014	SONG SOY SOUMOUNTHA	Cole Information Services
2009	TONY SOY SOUMOUNTHA	Cole Information Services
2004	SONG SOY SOUMOUNTHA	Cole Information Services
2002	Soysoumounth Song	R.L. Polk & Co Publishers
	Soysoumounth Thongdeng S RD A	R.L. Polk & Co Publishers
1999	TONY SOY SOUMOUNTHA	Cole Information Services

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5145 W HAMPTON WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	GLORIA ROMERO	Cole Information Services
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2002	Romero Christina M	R.L. Polk & Co Publishers

5157 WHAMPTON WAY

<u>Year</u>	<u>Uses</u>
2017	TERESA ALONZO
2014	TERESA ALONZO
2009	TERESA ALONZO
2004	TERESA HOWELL
2002	How ell Teresa A 18 A
1999	TERESA ALONZO
1994	ALONZO, R

5169 W HAMPTON WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ALICIA GALAVIZ	Cole Inf
2009	LORENZO GALAVIZ	ColeInf
2004	DONNIE BRUM	Cole Inf
2002	Brum Donnie P Jr & Pamela 17 A	R.L. Pol

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2002 Bolt Pamela M I+

5181 W HAMPTON WAY

<u>Year</u>	<u>Uses</u>
2014	VICTOR BULLOCK
2009	OCCUPANT UNKNOWN
2004	PATRICK MCCORMICK
2002	Mc Cormick Patrick J ⊟+ A
1999	OCCUPANT UNKNOWN

5193 W HAMPTON WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	JOSEVASQUEZ	Cole Information Service
2014	OCCUPANT UNKNOWN	Cole Information Service
2009	AMY BALDERAS	Cole Information Service
2004	AMY BALDERAS	Cole Information Service
2002	Balderas Arthur C & Amy 18 A	R.L. Polk & Co Publishe

5198 WHAMPTON WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	ABEL DELGADO	Cole Information Services
2014	ABEL DELGADO	Cole Information Services
2009	ABEL DELGADO	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2002	Duque Betty R	R.L. Polk & Co Publishers
	Duque Ramon T Jr 18+ A	R.L. Polk & Co Publishers
1999	OCCUPANT UNKNOWN	Cole Information Services
	ABEL DELGADO	Cole Information Services

5205 WHAMPTON WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	LINDA KILLION	Cole Information Services
2014	LINDA KILLION	Cole Information Services
2009	LINDA KILLION	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services

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<u>Source</u>

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<u>Year</u>	<u>Uses</u>	<u>Sou</u>
2002	Killion Linda S 181+ A	R.L.
1999	LINDA KILLION	Cole
	OCCUPANT UNKNOWN	Cole
5206 W HAMPTON WAY		
<u>Year</u>	<u>Uses</u>	<u>Sou</u>

2017	AGUSTUS MADDOX
2014	AGUSTUS MADDOX
2009	DONALD HOOKS
2004	JANE ADAMSON
2002	Adamson Jane W 181 A
	Lane Teresa M
1999	DONALD HOOKS

5207 WHAMPTON WAY

<u>Year</u>	<u>Uses</u>
2002	Weston Alan F 181+ A

5217 WHAMPTON WAY

<u>Year</u>	<u>Uses</u>
2017	KEITH MCCOMBS
2014	JUSTINE MCCOMBS
2009	KEITH MCCOMBS
2004	KEITH MCCOMBS
2002	Mc Combs Melody H 18 A
1999	KEITH MCCOMBS
	OCCUPANT UNKNOWN
1994	BETTINGER, JAMES

5218 WHAMPTON WAY

<u>Year</u>	<u>Uses</u>
2017	STEPHEN VANLOON
2014	STEPHEN VANLOON
2009	STEPHEN VANLOON
2004	STEPHEN VANLOON

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<u>Year</u>	<u>Uses</u>
2002	Vanloon Vicki J I+ A
1999	STEPHEN VANLOON

5221 W HAMPTON WAY

<u>Year</u>	<u>Uses</u>
1999	OCCUPANT UNKNOWN

5229 W HAMPTON WAY

<u>Year</u>	<u>Uses</u>
2017	JOSE HERNANDEZ
2014	ROSE HERNANDEZ
2009	OCCUPANT UNKNOWN
2004	JOSE HERNANDEZ
2002	Hernandez Rose M & Joe
1996	Hemandez Rose M 9016 R

5230 W HAMPTON WAY

<u>Year</u>	<u>Uses</u>
2014	DAVID LANE
2009	DAVID LANE
2004	DAVID LANE
	YOUR OTHER CHILDREN PET STNG
2002	Lane David S & Suzie 13 A
1999	DAVID LANE
	OCCUPANT UNKNOWN
1996	Marzetle Sherman 1107 R
1994	MARZETTE, SHERMAN JR

5239 WHAMPTON WAY

<u>Year</u>	<u>Uses</u>
2017	CLAUDIA PLASCENCIA
2014	OCCUPANT UNKNOWN
2004	LIDIA HIU
2002	GSimmons Lashaw n A
1999	OCCUPANT UNKNOWN

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5244 W HAMPTON WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	ALMA LARIOS	Cole Information Servi
2014	ALMA LARIOS	Cole Information Servi
2009	OCCUPANT UNKNOWN	Cole Information Servi
2004	OCCUPANT UNKNOWN	Cole Information Servi
2002	Mendoza Alfonso 0 & Rosa ⊟+ A	R.L. Polk & Co Publish
1994	MENDOZA, ALFONSO Q	Cole Information Servi

5251 W HAMPTON WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	LISA HELMS	Cole Information Serv
2009	LUIS ZUBIA	Cole Information Serv
2004	PASCUALA ZUBIA	Cole Information Serv
2002	Zubia Paz	R.L. Polk & Co Publish
	Zubia Luis G 3 A	R.L. Polk & Co Publish
1999	LUIS ZUBIA	Cole Information Serv

5256 WHAMPTON WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	ANTHONY ZAMORA	Cole Information Service
2014	OCCUPANT UNKNOWN	Cole Information Service
2009	OCCUPANT UNKNOWN	Cole Information Service
2004	RAMON CASILLAS	Cole Information Service
2002	Campos Kristine T 18 A	R.L. Polk & Co Publisher

5268 W HAMPTON WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	WILLIAM BROTSIS	Cole Information Serv
2014	WILLIAM BROTSIS	Cole Information Serv
2009	WILLIAM BROTSIS	Cole Information Serv
2004	BARBARA BROTSIS	Cole Information Serv
2002	Brotsis William C & Barbara 18+ A	R.L. Polk & Co Publish
1999	WILLIAM BROTSIS	Cole Information Serv

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ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
3864 N CLEO AVE	2017, 2009, 2004, 2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3864 N FORESTIERE AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3864 N FORESTIERE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3865 N CLEO AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3865 N CLEO AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3866 N CLEO AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3866 N CLEO AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3870 N DANTE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3870 N DANTE AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3871 N FORESTIERE AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3871 N FORESTIERE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3875 N CLEO AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3875 N CLEO AVE	2002, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3876 N FORESTIERE AVE	2002, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3876 N FORESTIERE AVE	2017, 2014, 2009, 2004, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3878 N CLEO AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3878 N CLEO AVE	2014, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3879 N FORESTIERE AVE	2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3879 N FORESTIERE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922

Address Researched	Address Not Identified in Research Source
3880 N DANTE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3880 N DANTE AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3886 N CLEO AVE	2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3886 N CLEO AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3887 N CLEO AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3887 N CLEO AVE	2004, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3888 N FORESTIERE AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3888 N FORESTIERE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3891 N FORESTIERE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3891 N FORESTIERE AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3892 N DANTE AVE	2002, 1999, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3892 N DANTE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3895 N CLEO AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3895 N CLEO AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3896 N FORESTIERE AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3896 N FORESTIERE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3897 N FORESTIERE AVE	2017, 2014, 2009, 2004, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3897 N FORESTIERE AVE	2002, 1999, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3898 N CLEO AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3898 N CLEO AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3898 N DANTE AVE	2017, 2014, 2009, 2004, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3898 N DANTE AVE	2002, 1999, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922

Address Researched	Address Not Identified in Research Source
3909 N FORESTIERE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3909 N FORESTIERE AVE	2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3910 N DANTE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3910 N DANTE AVE	2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3922 N DANTE AVE	2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3922 N DANTE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3934 N DANTE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3934 N DANTE AVE	2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3946 N DANTE AVE	2017, 2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3946 N DANTE AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3958 N DANTE AVE	2017, 2014, 2009, 2004, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
3958 N DANTE AVE	2002, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5053 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5053 W AUSTIN WAY	2017, 2014, 2004, 2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5062 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5062 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5062 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5064 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1990, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5065 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5065 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5065 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5070 ASHLAN	2017, 2014, 2009, 2004, 2002, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922

Address Researched	Address Not Identified in Research Source
5074 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5074 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5074 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5077 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5077 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5077 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5088 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5088 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5088 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5089 W ASHLAN AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5089 W ASHLAN AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5091 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5091 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5091 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5098 ASHLAN	2017, 2014, 2009, 2004, 2002, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5098 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5098 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5098 W AUSTIN WAY	2004, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5101 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5101 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5101 W AUSTIN WAY	2004, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5105 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922

Address Researched	Address Not Identified in Research Source
5106 W ASHLAN AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5106 W ASHLAN AVE	2002, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5110 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5110 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5113 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5113 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5118 ASHLAN	2017, 2014, 2009, 2004, 2002, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5122 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5122 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5122 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5123 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5123 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5123 W AUSTIN WAY	2017, 2014, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5128 W BUCKINGHAM WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5128 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5130 W ASHLAN AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5132 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5132 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5132 W AUSTIN WAY	2002, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5134 W ASHLAN AVE	2017, 2014, 2009, 2004, 1999, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5134 W ASHLAN AVE	2017, 2002, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5135 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922

Address Researched	Address Not Identified in Research Source
5135 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5135 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5136 W BUCKINGHAM WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5136 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5138 ASHLAN	2017, 2014, 2009, 2004, 2002, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5138 W ASHLAN AVE	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5144 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5144 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5144 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5144 W BUCKINGHAM WAY	2017, 2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5144 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5145 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5145 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5145 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5145 W HAMPTON WAY	2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5149 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5151 W ASHLAN AVE	2017, 2014, 2009, 2004, 1999, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5151 W ASHLAN AVE	2017, 2002, 1999, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5152 W ASHLAN AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5152 W ASHLAN AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5156 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5156 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922

Address Researched	Address Not Identified in Research Source
5156 W AUSTIN WAY	2017, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5157 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5157 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5157 W AUSTIN WAY	2004, 2002, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5157 W HAMPTON WAY	2002, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5157 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5164 ASHLAN	2017, 2014, 2009, 2004, 2002, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5164 W ASHLAN AVE	2017, 2014, 2009, 2004, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5167 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5167 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5167 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5168 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5168 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5168 W AUSTIN WAY	2017, 2009, 2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5169 W HAMPTON WAY	2017, 2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5169 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5179 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5179 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5179 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5180 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5180 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5180 W AUSTIN WAY	2009, 2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922

Address Researched	Address Not Identified in Research Source
5181 W HAMPTON WAY	2017, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5181 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5188 ASHLAN	2017, 2014, 2009, 2004, 2002, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5188 W ASHLAN AVE	2017, 2014, 2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5189 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5189 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5189 W AUSTIN WAY	2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5190 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5190 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5190 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5193 W HAMPTON WAY	2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5193 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5197 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5197 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5197 W AUSTIN WAY	2002, 1999, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5198 W HAMPTON WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5198 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5199 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5199 W BUCKINGHAM WAY	2014, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5204 W ASHLAN AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5204 W ASHLAN AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5205 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922

Address Researched	Address Not Identified in Research Source
5205 W HAMPTON WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5206 W HAMPTON WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5206 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5207 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5207 W BUCKINGHAM WAY	2009, 2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5207 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5211 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5211 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5211 W AUSTIN WAY	2017, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5217 W HAMPTON WAY	2002, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5217 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5218 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5218 W HAMPTON WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5219 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5219 W BUCKINGHAM WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5221 W ASHLAN AVE	2017, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5221 W ASHLAN AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5221 W HAMPTON WAY	2017, 2014, 2009, 2004, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5223 AUSTIN AVE W	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5223 W ASHLAN AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5223 W ASHLAN AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5223 W AUSTIN WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922

Address Researched	Address Not Identified in Research Source
5223 W AUSTIN WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5228 W ASHLAN AVE	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5228 W ASHLAN AVE	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5229 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5229 W HAMPTON WAY	2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5230 W HAMPTON WAY	2017, 2002, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5230 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5231 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5231 W BUCKINGHAM WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5239 W HAMPTON WAY	2009, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5239 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5244 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5244 W HAMPTON WAY	2002, 1999, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5245 W ASHLAN AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5245 W ASHLAN AVE	2017, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5245 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5245 W BUCKINGHAM WAY	2009, 2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5251 W HAMPTON WAY	2014, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5251 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5256 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5256 W HAMPTON WAY	2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5257 W BUCKINGHAM WAY	2017, 2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922

Address Researched	Address Not Identified in Research Source
5257 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5268 W HAMPTON WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5268 W HAMPTON WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5269 W BUCKINGHAM WAY	2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5269 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5281 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5281 W BUCKINGHAM WAY	2002, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5285 W ASHLAN AVE	2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1990, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5293 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5293 W BUCKINGHAM WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5305 W BUCKINGHAM WAY	2004, 2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5319 W BUCKINGHAM WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5319 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5323 W ASHLAN AVE	2017, 2014, 2009, 2004, 1999, 1994, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5323 W ASHLAN AVE	2002, 1996, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5331 W BUCKINGHAM WAY	2002, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922
5331 W BUCKINGHAM WAY	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address	Researched

Ashlan Avenue

Address Not Identified in Research Source 2017, 2014, 2009, 2004, 2002, 1999, 1996, 1994, 1990, 1986, 1980, 1975, 1970, 1965, 1962, 1958, 1952, 1947, 1942, 1937, 1932, 1927, 1922

APPENDIX B

INTERVIEW AND RESEARCH DOCUMENTATION



Environmental Site Assessment Questionnaire

Information provided in this Questionnaire will be used to develop a preliminary assessment of the environment condition of the proposed site and to develop an opinion regarding the potential for soil, groundwater, and/or surface water contamination associated with the former or current generation, use, storage, handling, or disposal of hazardous materials on or in the vicinity of the site. This Questionnaire is based on the guidelines of the American Society for Testing Materials (ASTM) Practice E 1528-14 (Standard Practice for Environment Site Assessments: Transaction Screen Process). The purpose of ASTM Practice 1528-14 and ASTM Practice E 1527-13 (Standard Practice for Environmental Site Assessments: Phase I Environmental: Phase I Environmental Site Assessment Process) is to define good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to range of contaminates with h i n t h e s c o p e o f t h e Comprehensive Environmental Response, Compensation, and Liabilit y A c t (C E R C L A) and petroleum products.

Property Address:	Ashlan Ave between Cornelia and Polk			
City, State, Zip	Fresno , CA 93705			

Based on your knowledge of the site and adjacent properties, please check the best response to the questions below. Please answer the questions in good faith and to the extent of your knowledge. Please explain each "YES" response (use additional pages as necessary).

		Yes	No	Unknown
1a	Is the site used for an industrial use?			×
1b	Are any adjacent properties used for an industrial use?			×
2a	Do you have any knowledge that the site has been used for industrial function in the past?			¥
2b	Do you have any knowledge that any adjacent property has been used for an industrial function in the past?			X
3a	Is the site used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo development laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? (If yes, indentify which)			¥

3b	Are any of the adjacent properties used as gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo development laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? (If yes, indentify which)		X
4a	Do you have any knowledge that the site has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo development laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? (If yes, indentify which)		Ø
4b	Do you have any knowledge that adjacent property has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo development laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? (If yes, indentify which)		X
5a	Are there currently any damaged or discarded automotive or industrial batteries, pesticide or paint containers, or other chemicals in individual containers or greater that 5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the site?		X
5b	Do you have knowledge that there have been previously any damaged or discarded automotive or industrial batteries, pesticide or paint containers, or other chemicals in individual containers or greater that 5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the site?		x
6a	Are there currently any industrial drums, typically 55 gal (208 L) or sacks of chemicals located on the site?		Ľ X
6b	Do you have knowledge that previously there have been any industrial drums, typically 55 gal (208 L) or sacks of chemicals located on the site?		X
7a	Has fill dirt been brought onto the site that originated from a contaminated property?		X
7b	Do you have any knowledge that fill dirt has been brought onto the site that is from an unknown origin?		X
8a	Are there currently any pits, ponds, or lagoons located on the site in connection with waste treatment or waste disposal?		X
8b	Do you have any knowledge that there previously have been any pits, ponds, or lagoons located on the site in connection with waste treatment or waste disposal?		X
9a	Is there currently any soil stained by hazardous materials or		۸

petroleum products on the site?

9b	Do you have any knowledge that there previously has been soil stained by hazardous materials or petroleum products on the site?		X
10a	Are there currently any registered or unregistered storage tanks (above or underground) located on the site?		X
10b	Do you have any knowledge that there previously have been any registered or unregistered storage tanks (above or underground) located on the site?		Å
11a	Are there currently any vent pipes, fill pipes, or access way indicting a fill pipe protruding from the ground on the site or adjacent to any structure located on the site?		X
11b	Do you have any knowledge that there previously have been any vent pipes, fill pipes, or access way indicting a fill pipe protruding from the ground on the site or adjacent to any structure located on the site?		×
12a	Are there currently any flooring, drains, or walls located on the site that are stained by substances other than water or are emitting foul odors?		۲
12b	Do you have any knowledge that there previously have been any flooring, drains, or walls located on the site that are stained by substances other than water or are emitting foul odors?		۲
13a	If the site is served by a private well or non-public water system, do you have any knowledge that contaminates have been identified in the well or system that exceed guidelines applicable to the water system?		X
14	Do you have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the site or any facility located on the site?		X I
15a	Do you have any knowledge of any current use, manufacture, storage, or disposal of hazardous substance or petroleum products on the site?		X
15b	Do you have any knowledge of any past use, manufacture, storage, or disposal of hazardous substance or petroleum products on the site?		X
15c	Do you have any knowledge of the current existence of any environmental violations with respect to the site or any facility located on the site?		X

15d	Do you have any knowledge of the past existence of any environmental violations with respect to the site or any facility located on the site?		X
16	Do you have any knowledge of any environmental site assessment of the site that indicates the presence of hazardous substances or petroleum products on, or contamination of, the site or recommended further assessment of the site?		X
17	Do you have any knowledge of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the site by any existing or former owner or occupant of the site or adjacent property?		X
18a	Does the site discharge waste water (excluding sanitary waste or storm water) onto or adjacent to the site and/or into a storm water system?		۲
18b	Do you have any knowledge of any adjacent property that discharges waste water (excluding sanitary waste or storm water) onto or adjacent to the site and/or into the storm water system?		X
19	Do you have any knowledge that any hazardous substance or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials have been dumped above grade, buried and/or burned on the site?		X
20	Is Polychlorinated Biphenyls (PCB) in electrical transformers, capacitors, or other hydraulic equipment present on the site or are they any records of indicating past presents of equipment related to PCB?		X
21a	Are any of the following documents regarding the site available for review: environmental site assessment reports; environmental audit reports; environmental permits; registration for above and/or underground storage tanks; material safety data sheets; community right-to-know plans regarding safety, preparedness and prevention, spill prevention, countermeasure, and/or disaster/emergency control; hydro geological reports; notices or correspondence from any governmental agency relating to past or current violations of environmental laws and/or environmental liens encumbering the site; hazardous waste generator notices or reports; geotechnical studies?		X
21h	Do you have any knowledge that there have previously been any		

21b Do you have any knowledge that there have previously been any man-made structures (e.g., buildings, docks/platforms, railroad □ □ ×□

tracks, etc.) on the site? (If so, indicate the approximate construction date and use the structures(s))

Response to this questionnaire was prepared by:

Name(s):		
Title(s):		
Firm:		
Address:		
Phone#.		
i nonen.		
Relationship to	the site (e.g. Owner Site Manager, Agent, Tenant, etc):	
1		
Years Associat	ed with the site:	

The foregoing information, including comments and attachments (if any), is true and complete to the best of the undersigned's knowledge, information, and belief. Any limitations with respect to the completeness of the responses have been disclosed.

(Preparer Signature)

(Date)

(Preparer Signature)

(Date)

(Preparer Signature)

(Date)

Human Services System Department of Community Health Gary M. Carozza, Director



Adult Services Department Children & Family Services Department Employment & Temporary Assistance Department

November 7, 2001

Mr. Lon Martin City of Fresno Public Works Department Fire Station #16 2600 Fresno Street Fresno, California 93721

Dear Mr. Martin:

SUBJECT: Underground Storage Tank Abandonment Completion LOCATION: 4170 North Brix, Fresno

This letter confirms the permanent closure of an underground storage tank at the above site as required by the California Code of Regulations, Title 23, Article 7. The closure occurred on August 28, 2001, with the removal of one (1) 550 gallon underground storage tank. With the provision that the information provided to this office is accurate and representative of existing conditions, no further action is required at this time. The site should now be properly closed, including backfilling as necessary.

This letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor, does it relieve you of the responsibility to clean up existing, additional, or previously unidentified conditions at the site which cause or threaten to cause pollution, or nuisance, or otherwise pose a threat to water guality or public health.

Please call me at (559) 445-3271 if you have any questions.

Sincerely,

avry yee

Harry Yee, R.E.H.S. Environmental Health Analyst III Environmental Health System

HY:csw

1221 Fulton Mall / P.O. Box 11867 / Fresno, California 93775 / (559) 445-3271 Equal Employment Opportunity - Affirmative Action - Disabled Employer 445-3301

Prepared for:

City of Fresno Public Works Department Capital Management Division 2600 Fresno Street Fresno, California 93721

UST REMOVAL REPORT for

City of Fresno Fire Station #16 4170 North Brix Avenue Fresno, California

Prepared By:

GEO ۶D JOSEPH M. KROHN 133 li. No. 6852 OFCA

RP

ĵ.

Joseph Krohn, R.Ø Project Geologist

CAL INC 2040 Peabody Road Vacaville, California 95687 (707) 446-7996 / Fax (707) 446-4906

October 25, 2001

CAL

UNDERGROUND STORAGE TANK REMOVAL REPORT

RECEIVED

INC

NOV 1 2001

City of Fresno Fire Station #16 4170 North Brix Avenue Fresno, California

Prepared by:

CAL INC 2040 Peabody Road, Suite 400 Vacaville, California 95687

October 25, 2001

Job #7044

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- 1.0 INTRODUCTION 1.1 PROPERTY DESCRIPTION
 - 1.2 SCOPE OF WORK

- 2.2 CONFIRMATION SOIL SAMPLING AND RESULTS
- 3.0 LIMITATIONS

APPENDICES

Appendix A	Figures
Appendix B	Permits and Manifests
Appendix C	Analytical Laboratory Data Sheets

FIGURES

Figure 1	Site Vicinity Map
Figure 2	Site Map
Figure 3	Sample Location Map

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1.0 INTRODUCTION

On August 28, 2001, one 550-gallon single-wall steel underground storage tank (UST) used to store diesel fuel was removed from the City of Fresno Fire Station #16, located at 4170 North Brix Avenue in Fresno, California (see Appendix A - Figure 1). This report presents a description of the excavation, removal and disposal, and confirmation sampling conducted in conjunction with UST removal activities.

1

1.1 Scope of Work

The following general scope of work was conducted during the course of the project.

Mobilization;

Remove and dispose one UST and associated residual product and rinsate fluids;

Collect confirmation soil samples and submit for laboratory analysis; and

Prepare Closure Report.

2.0 UST EXCAVATION AND REMOVAL ACTIVITIES

Mobilization for UST removal operations included: giving proper notification to Underground Services Alert (USA) regarding excavation operations at the Property; obtaining a UST removal permit from the Fresno County Department of Health, grading permit from the City of Fresno, and coordinating field work with the appropriate subcontractors and regulatory agency personnel. Copies of the regulatory agency permits are provided in Appendix B.

2.1 UST Excavation, Removal and Disposal

Between August 27 and August 28, 2001, CAL INC excavated the soil overlying the UST and piping, and beneath the dispenser. The soil was temporarily stockpiled onsite for later use as near surface backfill material.

The product lines and dispenser were removed and stored onsite prior to cleaning and disposal. On August 28, 2001, the UST was inerted using dry ice and removed from the excavation in the presence of a Fresno County Department of Health inspector. Holes were not observed in the UST. Odors and staining were not observed in soils underlying the dispenser or piping. The total depth of the excavation was approximately seven and a half feet. Groundwater was not encountered during removal operations.

The product pipelines and the UST were flushed with water and cleaning solution on August 28,

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2001. Approximately 50 gallons of rinsate fluids generated during the cleaning process were transported for disposal by Oil Conservation Service Inc. to DeMenno/Kerdoon's recycling facility in Compton, California. A copy of the waste disposal manifest is provided in Appendix B.

2

On September 11, 2001, the UST was inerted using dry ice and loaded on to a flat bed truck for transport and disposal at Orange Avenue Disposal's recycling facility in Fresno, California. The UST was transported by Kroeker, Inc. A copy of the UST manifest and destruction certificates are provided in Appendix B.

2.2 Confirmation Soil Sampling and Results

On August 28, 2001, CAL INC collected a confirmation soil sample beneath the former UST. The sample was collected from a location as directed by Mr. Harry Yee, the Fresno County Department of Community Health inspector. The sample location is shown in Appendix A - Figure 2.

The soil sample was collected by removing soil from the target sample area using the backhoe bucket. An individual sample was then collected from the bucket and placed directly into a 2-inch diameter brass sample tube and delivered under chain-of-custody protocol to Mobile Chem Labs, Inc., a State of California certified laboratory located in Lafayette, California.

The soil sample was analyzed for total petroleum hydrocarbon compounds in the diesel range (TPHd) using United States Environmental Protection Agency (U.S. EPA) Method 3550, total petroleum hydrocarbons in the gasoline range (TPH-g) using U.S. EPA Method 5030, benzene, toluene, ethylbenzene, xylenes (BTEX compounds) and methyl tertiary butyl ether (MTBE) using U.S. EPA Method 8020, and total recoverable hydrocarbons as petroleum oil (TRPH) using U.S. EPA Method 418.1. Analytical laboratory results for the sample collected are presented in Table 1 below. Copies of the analytical laboratory data sheets are provided in Appendix C.

Table 1 Confirmation Soil Sample Results August 20, 2001

Sample	Sample	Sample			Ana	lytical Labor	atory Resul	is (ng/kg)		
р.	Location	Depth	TRPH	TPH-0	TPH-9	Benzene	Toluene	Ethyl: benzene	Aylenes	
FF-16-S-1	UST Excavation	10.5'	<10	<5.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005

Bold type indicates sample reported above method detection limit concentration. mg/kg - milligrams per kilogram, which is equivalent to parts per million (ppm)

3.0 LIMITATIONS

CAL INC is not responsible for the accuracy of information presented in this report, which was obtained from others. It is possible unpermitted, undocumented or concealed improvements or alterations to the Property could exist beyond what was found during the recent excavation activities.

3

No amount of assessment can guarantee that the Property is completely free of environmental concern.

This report was prepared for the sole use and benefit of the City of Fresno and the Fresno County Department of Community Health. This report is not a legal opinion and does not offer warranties or guarantees.

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MOBILE CHEM LABS INC.

1678 Reliez Valley Road • Lafayette, CA 94549 Phone (925) 945-1266 • Fax (925) 943-6884

7044\2131\014164

Cal Inc. 2040 Peabody Rd., Suite 400 Vacaville, CA 95687-6694 Attn: R. Scott Wood Project Manager

Date Sampled: 08-28-01 Date Received: 09-01-01 Date Analyzed: 09-10-01

Sample	Number

Sample Description 4170 N. Brix Fresno, CA Project # 7044 FF-16-S-1 SOIL

B091029

ANALYSIS

	Detection Limit	Sample Results
	mqq	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005
MTBE(Methyl tert-Butyl Ether)	0.005	<0.005

QA/QC: Duplicate Deviation is 2.8 % Spike Recovery is 85 % LCS Recovery is 78 %

Note:

Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTEX distinction. (ppm) = (mg/kg)

MOBILE CHEM LABS 1671 MA

Ronald G. Evans Lab Director



MOBILE CHEM LABS INC.

1678 Reliez Valley Road • Lafayette, CA 94549 Phone (925) 945-1266 • Fax (925) 943-6884

7044\2162\014164

Cal Inc. 2040 Peabody Rd., Suite 400 Vacaville, CA 95687-6694 Attn: R. Scott Wood Project Manager

Date Sampled: 08-28-01 Date Received: 09-01-01 Date Analyzed: 09-11-01

Sample Number	Sample Description	Detection Limit	SOIL Total Petroleum <u>Hydrocarbons as Diese</u>	1. 1
		ppm	ppn	
		4170 N. Brix Fresno, CA Project # 704	4	:
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5.0

B091029 FF-1

FF-16-S-1

<5.0

QA/QC: Duplicate Deviation on B081085 is 2.3 % Spike Recovery on B081029 is 96 % LCS Recovery is 98 %

Note: Analysis was performed using EPA method 3550 modified and TPH LUFT. (ppm) = (mg/kg)

(ppm) = (mg/rg)

MOBILE CHEM LABS

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Ronald G. Evans Lab Director



MOBILE CHEM LABS INC.

1678 Reliez Valley Road • Lafayette, CA 94549 Phone (925) 945-1266 • Fax (925) 943-6884

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Cal Inc.	· · ·		
2040 Peabody Road, Suite 400			·
Vacaville, CA 95687	•.	Date Sampled:	08-29-01
Attn: R. Scott Wood		Date Received:	09-01-01
Project Manager		Date Analyzed:	09-11-01

San Nur	nple Nber	Sample Description	Detection Limit	Total	Recove	SOIL rable Hy troleum	ydroca 0il	arbons
		_	ppm		, tra i	ppm		
	л. А		4170 N. B	rix		·		
•	•		Fresno, C	A 7044			.	
, ·			rioject #	7044	÷			

B091029 FF-16-S-1

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QA/QC: Duplicate Deviation on RTC-SPT is 1.9 % Spike Recovery on B081081 is 104 % LCS Recovery is 105 %

Note: Analysis was performed using EPA extraction method 3550 with Trichlorotrifluoroethane as solvent, and EPA method 418.1

(ppm) = (mg/kg)

MOBILE CHEM LABS

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Ronald G. Evans Lab Director

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SPECIAL INSTRUCTIONS	Received By: Date/Time Date/Time Received By: Date/Time Received By: Date/Time Received By: Date/Time Date/Time Received By: Date/Time Date/Time			EPA 8015M EPA 8020 EPA 8020 EPA 8240 EPA 8240 EPA 8270 / IPH-G + BTEX - MTSE TILC Metals STLC Metals STLC Lead TTLC Lead CE BOIS TPHD Specific Conductance STANDAND 24 Hour TAT 48 Hour TAT	Analyses				
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INDUSTRIAL WASTE and SALVAGE ORANGE AVE. DISPOSAL SERVICE, INC. 3280 South Orange Ave. Fromo, CA 93725

(559) 650-1158 FAX (559) 650-1144

October 15, 2001

To: Scott Wood Cal, Inc. 2040 Peabody Road Vacavilie, CA. 95687 Tel (707) 446-7996 Fax (707) 446-4906

Re: Destruction and Disposal of seven (7) Underground Storage Tanks

Dear Mr. Wood:

On September 11, 2001, seven (7) underground storage tanks, with a capacity of 550 gallons each, were delivered to Orange Avenue Disposal. The tanks were off loaded, smashed and buried in the landfill. Test tank certifications for each tank accompanied the load stating that the tanks were free of flammable vapors. The certifications are on file in the office at Orange Avenue Disposal. A copy of this letter will be filed with the tank test certifications.

I hereby certify that the aforementioned information is correct.

Sincerely,

nedley Ray Medley

Landfill Manager Orange Avenue Disposal

ULI "DUTZDOI 19141 NAMESON AND ADDRESS OF A DESCRIPTION EVIS (1-PART FORM) UNIFORM STRAIGHT BILL OF LADING Original-Not Negotiable-Domestic Shipper's F Carrier Agent's No. RECEIVED MUDIEC ID INF C the part with a man the GANG OF ITM Afrom CIT at 53 Dept 5 Sur (Addition threat address of zonsignee -For purposes of notification Consigned to ... C. ODMAC. Destination 32.60 Ora GNE 100 mo State of <u>C4</u> Zip Code. Fresho County of Delivering Vehicle Routing. Carrier_ Ker Tircor Car Initial For No. Collect On Delivery C. D. D. sharpe Shipper Consigned to be paid by and remit to: Subject to Section 7 of this streament is to be be consigned without recourse of cor Street City State 00 0 consigned without recourse aignor, the consigner shell : lowing statements: The confirm shall not make this shipment without payme and of other lawsui charges, shell ago 10 mg 101-Weight (Sec. in Col Check Cisna or Rale es, Special/Ranks, and Exceptions 500 16 6.... (Signature of Consignor.) 10 If charges are to be prepaid, write and bars, "TO BE PREPAID." 100 Received \$_____to exply to prepayment of the charges of the property described horizon. 2 Apont or Cashier 140 100 (the signature here sourcesboger only the amount Prepard.) N# 54 gt Chames Adv und or decidental value of the property is hereby by stated, by the adopter to be not exceeding trogn Shipper, Per. Agent, Pes nent post-office address of shipper, (This Bill of Lading is to be signed by the shipper and agent of the canter issuing as Bill of Lading inter.) ð

ADAINE PUBLICAS PORMAS BOTO (3-PART PORMI) UNIFORM STRAIGHT BILL OF LADING Original-Not Negotiable-Domestic Shipper's 4 Carrier Agent's No. RECEIVED, subject to the Classifications and taritie in effect on the date of the lasue of this Bill of Lading, 170 CA trom City N ŝ at Mell or suset address of consignes - For purposes of notification only. Mote T Consigned to Lever CA S. Eresno Destination_ZZ2 State of Zip Code. County of _ Delivering Vehicle Routing. Carrier_ Krocke Tix or Car Initial No Collect On Delivery C. O. D. charge Shipperto be paid by Consignee and remit to: . 17 Subject to Section 7 of cond a subpress is to be performed tinia: 6.15 City. Street State consigned without recourse on signal, the construct shall sign iowing statements: The construction notes of aball sign the fol-Weight (Sub. to Cor. Ciens or Field Colore Description of Articles, Special Manuel and Exceptions 750165 altipraent wilting pays ai i (Signature of Consignant) Il charges are to be prepaid, write or emp here. "TO BE PREPAID." property described hateon. 67 Agent of Cashier T^{\prime} Per______ (the womenute here acknowloogies only the amount Prepart.) ÷n. -55 ķα ports by & ra of the law Wron Bell CE And and in compared and any particular and backbook in Agent, Pers Hosno Shipper, Per_ Permanent post-offica addrese of ehioper in of Learna is to de sig Bill of Lading -#-, all



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OCS INC	OIL Conserva Service	TION		N2	1067
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Generator City of	treans tie Op	C Phone:	559-498-14	51
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client: <u>Lal</u>	loc.	Phone:	(101) <u>446 - 1</u>	799.0
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O.C.S. Inc. certifies that at the time that this tank was tested by us it was free of flammable vapors. It may not remain vapor free. Treat this container with extreme caution, it may contain explosive gases.

DO NOT EXPOSE THIS CONTAINER TO FLAMES, SPARKS OR EXCESSIVE HEAT.

Generator's Signature	-
Contractor's Signature	
County of FRESSIO	
Couply inspector's Signature Or Satholine	

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INDUSTRIAL WASTE and SALVAGE ORANGE AVE. DISPOSAL SERVICE, INC. 3286 South Orange Ave. Fresuo, CA 93725

(559) 550-1153 FAX (559) 550-1144

October 15, 2001

To: Scott Wood Cal, Inc. 2040 Peabody Road Vacaville, CA 95687 Tel (707) 446-7996 Fax (707) 446-4906

Re: Destruction and Disposal of seven (7) Underground Storage Tanks

Dear Mr. Wood:

On September 11, 2001, seven (7) underground storage tanks, with a capacity of 550 gallons each, were delivered to Orange Avenue Disposal. The tanks were off loaded, smashed and buried in the landfill. Test tank certifications for each tank accompanied the load stating that the tanks were free of flammable vapors. The certifications are on file in the office at Orange Avenue Disposal. A copy of this letter will be filed with the tank test certifications.

I hereby certify that the aforementioned information is correct.

Sincerely,

ay Medley Ray Medley

Landfill Manager Orange Avenue Disposal

UNIFORM STRAIGHT BILL OF LADING Original-Not Negotiable-Domestic Shipper's # Carrier Agent's No. RECEIVED, subject to the classifications and putties in effect on the date this S& of Lotling, 4170 CA trom City N WSW at. â VESMA (hell or stress accreas of consignee - For purposes of notification only. Met. Consigned to Levil's To Destination 2727 O9 5. Ch State of Zip Code. County of, nesmo Delivering Vehicle Routing. Kree Carrier. ac or Car initial **Collect On Delivery** Shipper Consignee C. O. D. charge to be pair by and remit to: Subject to Bestic a shipment is to 1.18 n 7 di -tondhiore Street City. State consigner without recourse on the con-signed; the correlator shall sigh the ici-lowing statements: The carrier shall not make delivery of Weight (Suc. to Cor. presi of Ankles, Special Marys, and Exceptions Colum Cigar or Figh 750665 Charges. (Signature of Consignor.) If charges are to be propald, write sumptions. "TO BE PROPAID." Received \$_____to sproy to propayment. of the charges on the property described herein. TID Lat Agent of Easter ¥ Par_____ (No elgeneture hose asknowloogies only the amount Preparts.) Charges Advanced; und to packend when al the propriety is ally stated by two oblepser to be-back and TOMP Shipper, Per. cent Perm equive to seerbba applications from d by me shipper and egent of the center leaving series) (This bits of Leading is to be sign **Bill of Lading** TATION

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APPENDIX C

PHOTO LOG

Phase I Initial Site Assessment – Haro Environmental, Inc. Ashlan Avenue Widening Project, Fresno, CA Date Photos Taken: November 17, 2021



Photo #1 View of the eastern portion of the project area, facing east-northeast.



Photo #3 View of the project area from west of N. Dante Avenue, facing east.



Photo #5 View of the western portion of the project area, facing southeast.



Photo #2 View of the project area from the eastern portion, facing west-northwest.



Photo #4 View of the project area from east of N. Dante Avenue, facing west.



Photo #6 View of the water retention basin north of the project area, facing north.

APPENDIX D

CALTRANS UNKNOWN HAZARDS PROCEDURES



California Department of Transportation • Construction Manual • September 2014

APPENDIX E

QUALIFICATIONS



ELLIOT R. HARO

Principal Scientist

Mr. Haro is the founding principal of Haro Environmental, Inc. With over 17 years of experience in the environmental consulting field, Mr. Haro has directed, managed and performed environmental site assessments, as well as site investigation and remediation activities. As Principal Scientist, Mr. Haro's responsibilities include project management. proposal and cost estimate preparation, design of soil and groundwater investigation and remediation programs, staff and subcontractor coordination, technical report preparation, and permit acquisition. Mr. Haro has managed and performed numerous Phase I and Phase II Environmental Site Assessments (ESAs) as well as site investigation and remediation field activities including air, soil, groundwater, and surface water sampling, groundwater monitoring well installations, and remediation system operations and maintenance. He has prepared various environmental reports including site assessment reports, feasibility studies, remedial/corrective action plans, remedial work plans and health-based risk evaluations. Mr. Haro is familiar with the regulatory process and has consulted with both local and regional agencies on Client's behalf for work plan approvals and modifications. Mr. Haro's technical expertise includes evaluation, design and implementation of innovative in-situ groundwater treatment technologies including enhanced bioremediation and in-situ chemical oxidation.

EXPERTISE

- Program Management
- Phase I and II Environmental Site Assessments
- Soil and Groundwater Investigations
- Soil and Groundwater Remediation
- Remediation Technology Evaluation
- Site Characterization
- Remediation System Operations and Maintenance
- Health Risk Evaluations
- Feasibility Studies
- Data Analysis and Management
- Construction Oversight
- Permitting Environmental and Construction

WORK HISTORY

Haro Environmental, Inc.
Equipoise Corporation
Rincon Consultants, Inc.,
TN & Associates
Environmental Biotechnology Inst.
Creek Environmental Laboratory
2013 to Present
2007 to 2013
2004 to 2007
2003 to 2004
2002 to 2004

EDUCATION AND CERTIFICATIONS

- Registered Environmental Assessor I (REA I), California, No. 30228 (Former; DTSC discontinued the REA program effective July1, 2012)
- M.S., Agriculture Soil Science Specialization, California Polytechnic State • University, San Luis Obispo, CA
- B.S., Soil Science, California Polytechnic State University, San Luis Obispo, CA
- OSHA and EPA 40-hour safety training and 8-hour hazardous materials refresher courses

PROJECT DESCRIPTIONS

Groundwater Remediation and Agency Closure, SRI PADMA LLC, Santa Barbara, CA

 Groundwater Monitoring and Sampling Management In-Situ Bioremediation

Regulatory Agency

• Permitting

- Remediation Reporting • Target compounds:
 - PCE & TCE
 - In-Situ Chemical Reduction Work Plan
 - Health and Safety
- Negotiations Mr. Haro is the program manager for the remediation of the chlorinated solvents TCE and PCE in groundwater at a former manufacturing facility in Santa Barbara, CA. The site is located in a historic industrial area, which has recently been transformed into an urban wine trail area known as the "Funk Zone". Haro Environmental worked with the remediation contractor, Regenesis, to perform a soil assessment to gather detailed information regarding the lithology beneath the site, and to develop an appropriate injection program based on the findings. For this site, a combined remedy was selected and included the injection of Plumestop, Hydrogen Release Compound, and BDI Plus, a bioaugmentation formulation. After two months, wells within the treatment zone exhibited reductions of TCE and PCE to non-detectable concentrations. The case is currently being considered for closure under oversight by the CCRWQCB.

Retail Service Station Portfolio, Various Locations, CA

- Groundwater Monitoring and Sampling Management
- In-Situ Bioremediation
- Permitting
- Regulatory Agency Negotiations
- Quarterly Reporting
- Target compounds: Hydrocarbons and MTBF
- Interim Remedial Action Plans
- Remedial and Corrective Action Plans
- Health and Safety
- Remediation System Design

Remediation

• Groundwater

System Design

Monitoring Well

Destructions

• Multiphase and Dual Phase **Extraction Systems**

Managed project activities for monitoring and cleanup of multiple gas station facilities throughout Northern, Central and Southern California. Evaluated in-situ and ex-situ treatment options for source zone reduction and off-site containment of contaminants.

Mr. ELLIOT R. HARO – PRINCIPAL SCIENTIST

Performed and managed operations and maintenance activities on remediation systems and prepared quarterly remediation reports. Prepared quarterly groundwater monitoring reports for agency submittal and approval. Prepared corrective actions plans and remedial action plans for implementation of mobile high vacuum dual phase extraction, multi-phase extraction, and dual-phase extraction systems. Designed and permitted innovative groundwater remediation approaches including enhanced aerobic bioremediation using ORC®. Negotiated with overseeing agencies for acceptance of proposed remedial actions.

Phase I Environmental Site Assessment, Remediation Engineering Evaluation, & Indoor Air Quality Assessment, Former Aircraft Manufacturing Facility, Playa Vista, CA

 Phase I ESA Remediation System

Performance Evaluation

- VOC and Hydrocarbon Use
- Historic Chlorinated
 550,000 Square Feet of Building Space

Performed a Phase I ESA for an approximately 38-acre site developed with 8 historic structures totaling approximately 550,000 square feet. Historic aircraft manufacturing resulted in chlorinated VOCs and petroleum hydrocarbon impacts to soil and groundwater. Identified recognized environmental conditions (RECs) at 11 source areas. Consulted client on extent of environmental liabilities and potential environmental costs. Evaluated the performance of the on-site dual-phase extraction system targeting identified source areas. Developed potential life-cycle costs for the existing remediation system, and costs for remediation of metals contaminated soil. Performed an indoor air survey to assess potential impacts from the historic aircraft manufacturing operations on indoor air quality. Indoor air study results were compared to published regulatory thresholds and calculated site-specific health risks.

Soil, Soil Vapor, and Groundwater Investigation – Buckley Road Area TCE Investigation, San Luis Obispo, CA

•	Phase II ESA	•	TCE In
•	Multiple Potential		Groundwater
	Responsible Parties	٠	Other COCs: PFAS

A regional TCE plume located south of the San Luis Obispo County Regional Airport is being investigated to identify a possible source. Haro Environmental, Inc. was contracted with one of the potentially responsible parties to investigate the property as a possible source of the TCE in groundwater. A work plan was developed and approved by the lead regulatory agency, Central Coast Regional Water Quality Control Board, for the advancement of two soil borings and the collection and analysis of soil, soil vapor, and groundwater samples. The results were used to clear the client as a responsible party.

Soil and Groundwater Investigation of Per- and Polyfluoroalkyl Substances (PFAS), Meadows Field Airport, Bakersfield, CA

- Soil Sampling Work
 Plan
- Well Investigation
- Soil Borings and Sampling
- Data Report and Data Analysis
- Target compounds:
 PFAS
- Health and Safety
 Plan Preparation
- Lead Agency: Central Valley Regional Water Quality Control Board

PFAS compounds are an emergent set of chemicals that have come to the forefront of environmental concern due to their toxicity and stability in the environment. To evaluate the distribution of PFAS in the environment, the State Water Resources Control Board through their nine regional boards required multiple airports within California perform site investigation for PFAS compounds based on the high concentration of PFAS used in firefighting foams [also known as aqueous film forming foams (AFFF)]. The Meadows Field Airport was one of the airports listed in the requirements order. Haro Environmental prepared a work plan to investigate PFAS in soil which included a sampling and analysis program to sample soil at multiple potential release points as wells at multiple depths. A soil sampling report was prepared for the CVRWQCB and will be followed up with a groundwater investigation work plan based on the soil sampling results.

Soil and Groundwater Remediation of Chlorinated Solvents using Chemical Oxidation, Former Aerospace Manufacturing Facility, Newbury Park, CA

- Groundwater Monitoring and Sampling Management
- In-Situ Chemical Oxidation using Potassium Permanganate
- Injection and Monitoring Well Installations
- Quarterly WDR Reporting
 Target compounds:
- Larget compounds: Chlorinated VOCs
- Health and Safety
 Plan Preparation
- Lead Agency
 Negotiations

Managed in-situ chemical oxidation injections for remediation of soil and groundwater impacted with the chlorinated solvents TCE and PCE. Negotiated with the lead agency (LARWQCB) for revised Waste Discharge Requirements (WDR) and amendments to the original work plan. Developed and implemented a site-specific health and safety plan to protect the health and safety of workers and the environment from accidental exposure to the chemical oxidant. Oversaw the installation of 35 injection wells and 14 dual-nested monitoring wells, and the injection of approximately 12,000 pounds of potassium permanganate. Conducted performance evaluation sampling per WDR requirements, and prepared and submitted quarterly WDR monitoring reports to the regulatory agency.

Soil and Groundwater Remediation of Chlorinated Solvents, Soil Source Zone Removal and In-Situ Bioremediation, Former Industrial Facility, Los Angeles, CA.

- Groundwater Monitoring and Sampling Management
- Large Diameter Auger Excavation
- Enhanced Anaerobic Bioremediation
- Soil Vapor Survey
- Injection and Monitoring Well Installations
- Quarterly WDR Reporting
- Target compounds:
- Chlorinated VOCsHealth and Safety Plan PreparationLead Agency
 - Negotiations

Managed soil and groundwater investigation and remediation activities for a site with soil and perched groundwater water zone with chlorinated hydrocarbons present. A Remedial Action Plan (RAP) was developed and approved by the LARWQCB to remediate soil and groundwater at the site. Because site constraints precluded the use of conventional excavation approaches without extensive shoring requirements, soil remediation activities included the design and implementation of source area soil removal using large diameter augers. Groundwater remediation activities included acquisition of a Waste Discharge Requirement (WDR) permit from the LARWQCB for injection of HRC® into the perched zone, injection design, and implementation of an Enhanced Anaerobic Biodegradation approach to stimulate by injecting HRC®.

RCRA Facility Closure, Former Hazardous Waste Handling Facility, Wilmington, СА

 Lead Agency: DTSC RCRA Hazardous Waste

Permit Closure

 Port of Los Angeles Permitting

Preparation

Health and Safety Plan

 DTSC Approval of Work Plan Updates and Modifications

Managed work plan modification/updating and permitting for a closure of a RCRA hazardous waste permit under DTSC oversight. This former hazardous waste handling facility was the subject of an enforcement action by the lead regulatory agency and resulted in the conviction of the former operator. The chemicals associated with the facility included VOCs and petroleum hydrocarbons. Negotiated with DTSC for work plan modification resulting in a reduction of \$70,000 in the sampling costs.

Feasibility Study, Former Aerospace Testing Facility, CA

- Chlorinated VOCs
- In-Situ and Ex-Situ
- Emergent Compounds 1,4-dioxane and NDMA
- Treatment Options
- Conforming to Lead Agency Requirements

Provided technical assistance for preparation of a feasibility study for remediation of a 2,800-acre former test site facility being closed after 50 years of storied operations. The feasibility study in part addressed the emergent chemicals 1,4-dioxane and Nnitrosodimethylamine (NDMA). These chemicals are somewhat recalcitrant in the environment and are the subject of research at many DOD-sponsored projects. Evaluated innovative remedial alternatives including enhanced aerobic bioremediation and in-situ chemical oxidation. Prepared a bench-scale work plan and reported the findings evaluating sodium persulfate and propane to reduce NDMA concentrations in groundwater.

Former Oil Field Sumps Assessment and Remediation, Santa Maria Valley, CA

- Sump Assessment and Remediation
- Remediation
 construction

- Target compounds: Metals, volatile and semi-volatile organics, hydrocarbons,
- Soil Excavation
- Health and Safety
 Plan Preparation

Project manager for sump assessment and remediation activities for multiple land leases within the Santa Maria Valley. Former oil field features were identified by reviewing historic maps and aerial photographs. The lateral and vertical limits of identified features were assessed in the field using direct push technology. Non-hazardous sump material was excavated and transported to a local landfill for reuse. Confirmation samples were collected and based on the results, closure reports were prepared and submitted to the lead oversight agency (County Santa Barbara Fire Prevention Division).

Operations and Maintenance, Ex-situ Bioremediation, San Luis Obispo, CA

- Groundwater monitoring well installation
- Remediation construction
 Vapor extraction
- Soil Excavation
- Field safety coordinator

- Groundwater sampling
- system O&M

Feasibility Study and Remedial Action Plan, Thousand Oaks, CA

- Project Coordinator Oversee field activities
- Conducted dual phase
 extraction events
- Managed and performed O & M

Permitting

Site Investigations, Multiple Clients

- Oversee well
 installation
- Oversee boring installation
- Remediation
 construction
- Perform Monitoring and Optimization.
- Soil and Soil Vapor Sampling
- Risk Analysis

- Managed
- Subcontractors
- Construction

Publications

Roth, A. E., Lingle, E. L., Haro, E. R., Stark, J. M., Unkefer, P. J. and Kitts, C. L. 2005. Sample Preservation Method and Storage Time Can Affect 16S rRNA Terminal Restriction Fragment Patterns Made From Soil DNA. Soil Biology and Biochemistry.


TIMOTHY E. NELLIGAN

Professional Engineer

Mr. Nelligan has professional experience in the areas of environmental compliance, permitting, and remedial design engineering. He has conducted remedial investigations (RIs), feasibility studies (FSs), remedial design/remedial action (RD/RA), corrective action plans (CAPs) at several California State and Federal Superfund site, oil refineries, and other industrial facilities. He has also prepared Storm Water Pollution Prevention Plans (SWPPPs), Spill Prevention Containment and Countermeasures (SPCCs), Hazardous Materials Business Plans (HMBPs), and Wastewater Surcharge Statements. Mr. Nelligan has conducted various field activities including air, soil, groundwater, and surface water sampling; well design, installation, and development; and vapor extraction tests. He has designed, installed, operated, and conducted performance monitoring of in-situ and above ground soil-vapor extraction systems, and groundwater extraction and treatment systems. Mr. Nelligan has assisted in the design and implementation of innovative in situ technologies such as dual phase (air and groundwater) extraction, enhanced bioremediation using HRC and chemical oxidation systems using sodium permanganate to remediate sites. He has also designed vapor control systems for use in production facilities and assisted in managing a major coke disposal and lead fixation project.

EXPERTISE

- Project Management
- Soil and Groundwater Investigations
- Data Analysis and Management
- Remediation Technology Evaluation
- Engineering Design
- Construction Oversight
- Operation and Maintenance
- Cost Analysis
- Soil and Groundwater Remediation Petroleum Hydrocarbons
- Soil and Groundwater Remediation Metals
- Soil and Groundwater Remediation -Chlorinated Hydrocarbons
- Major Project Oversight
- Permitting Environmental and Construction
- Feasibility Study/RAP Preparation

WORK HISTORY

•	Haro Environmental, Inc.	2013 to Present
٠	Katahdin Environmental	2007 to Present
٠	Equipoise Corporation	1999 to 2007
٠	Harding Lawson Associates	1998 to 1999
•	Chemical Data Management Systems	1997 to 1998

EDUCATION AND CERTIFICATIONS

- Registered Professional Engineer, California 2005, No. C68666
- B.S., Civil and Environmental Engineering, California Polytechnic State University, San Luis Obispo, 1998
- OSHA and EPA 40-hour safety training and 8-hour hazardous materials refresher courses

PROJECT DESCRIPTIONS

Superfund Site, Pesticide Reformulator, Bakersfield, CA

- Design Engineer
- Oversee Treatment of Tank Contents
- Lead Agency: US EPA

- Design Treatment System 250,000 Gal
- Wastewater and 4,000 Gal Sludge
- Pesticides, Metals, and Semi-volatiles
- Soil remediation and FHP recovery system operation, Marine Terminal, Los Angeles Harbor, CA.
- Project Engineer
- Free Hydrocarbon Product (FHP)
- Petroleum Hydrocarbons/ BTEX in soil and groundwater
- MTBE in groundwater
- Lead in soil

- SVE with Offgas Treatment
- Thermal Oxidation of Offgas
- FHP Recovery with Pneumatic Pumps in 40 wells
- On-Site Soil Fixation of Lead
- Lead Agency: RWQCB - Los Angeles
- SCAQMD Compliance
- Recovered over 355,200 gallons of FHP to date.

Soil and Groundwater Remediation of Solvents. Excavation and InSitu BioRemediation, Former Dean Alco Site, Los Angeles, CA

- TCE and 1,1,1-TCA Source Area
- Soil Remediation through Excavation using Large Diameter Augers
- Source Area Tank Removal
- Perched Groundwater Remediation using HRC
- Implementation of InSitu BioRemediation Monitoring Program
- Permitting Waste Discharge Requirement, Grading Permit, UST Removal Permit
- Lead Agency: RWOCB – Santa Ana
- SCAQMD Compliance
- UST Closure LA Fire Department
- Assistant Project Manager

- Assistant Program Manager
- Free Hydrocarbon Product (FHP)
- Petroleum
 Hydrocarbons/ BTEX in
 groundwater
- MTBE in groundwater
- Coke Material in Soil
- Offsite Disposal of 60,000 tons of Coke Material
- Groundwater
 Extraction of 1200
 gallons per minute
- FHP Recovery with Pneumatic Pumps
- Lead Agency: RWQCB – Los Angeles

- SCAQMD
 Compliance
- Groundwater treatment using Envirex - Fluidized Bed Reactor

Groundwater Remediation Using In-Situ Chemical Oxidation, Dry Cleaning Facility, Washington

- PCE in formation water
- Formation Fractured Bedrock
- MTBE in groundwater
- Sodium
 Permanganate
 Injections
- Feasibility StudyRemedial Action Plan
- Lead Agency Department of Ecology, WA

APPENDIX D

Noise and Vibration Assessment



Technical Memorandum

TO: Jacqueline Markley, M.S., AICP, Senior Environmental Planner SWCA Environmental Consultants

FROM: Terry A. Hayes Associates Inc.

DATE: June 22, 2022

RE: Ashlan Avenue Road Widening Project – Noise and Vibration Assessment for the California Environmental Quality Act (CEQA)

INTRODUCTION

Terry A. Hayes Associates Inc. (TAHA) has completed a Noise and Vibration Assessment for the Ashlan Avenue Road Widening Project (proposed project) in accordance with the provisions of the CEQA Statutes and Guidelines. This Assessment is organized as follows:

- Introduction
- Project Description
- Noise and Vibration Topical Information
- Regulatory Framework
- Existing Setting
- Significance Thresholds
- Methodology
- Impact Assessment
- References

PROJECT DESCRIPTION

The City of Fresno proposes a widening project along a 0.5-mile segment of Ashlan Avenue between North Polk Avenue and North Cornelia Avenue in the incorporated city of Fresno in Fresno County, California. The proposed project would widen eastbound Ashlan Avenue from one lane to two lanes to the ultimate right-of-way. The proposed project includes construction of curbs, gutters, and sidewalks; the placement of full section paving; grind and overlay of existing pavement; installation of new curb ramps, where needed; new signing and pavement striping; adjustment of water valve lids and sewer manhole covers to finished grade; traffic street lighting and signal installation; and construction of Class II bike lanes. The proposed project requires relocation of joint poles, fire hydrants and water meters. This widening would require right-of-way acquisition from 18 adjacent parcels.



NOISE AND VIBRATION TOPICAL INFORMATION

Noise

The following is a brief discussion of fundamental traffic noise concepts. For a detailed discussion, please refer to the California Department of Transportation (Caltrans) Technical Noise Supplement.¹ 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 defined as loud, unexpected, or annoying sound. 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 obstructions or atmospheric factors affecting the propagation path to the receptor determine the sound level and characteristics of the noise perceived by the receptor. The field of acoustics deals primarily with the propagation and control of sound.

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 (kHz), 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. A logarithmic scale is used to describe sound pressure level (SPL) in terms of decibels (dB). The threshold of hearing for young people is about 0 dB. Because decibels are logarithmic units, SPL cannot be added or subtracted through ordinary arithmetic. Under the decibel 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, the resulting sound level at a given distance would be 3 dB higher than one source under the same conditions.

The decibel 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 the characteristics of the human ear. Human hearing is limited in the range of audible frequencies as well as in the way it perceives the SPL in that range. In general, people are most sensitive to the frequency range of 1,000–8,000 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 of individual frequency bands are weighted, depending on the human sensitivity to those frequencies. Then, an "A-weighted" sound level (expressed in units of dBA) can be computed based on this information. The A-weighting network approximates the frequency response of the average young ear when listening to most ordinary sounds. When people make judgments of the relative loudness or annoyance of a sound, their judgments correlate well with the A-scale sound levels of those sounds.

As discussed above, doubling sound energy results in a 3-dB increase in sound. However, given a sound level change measured with precise instrumentation, the subjective human perception of a doubling of loudness will usually be different than what is measured. Under controlled conditions in an acoustical laboratory, the trained, healthy human ear is able to discern 1-dB changes in sound levels, when exposed to steady, single-frequency ("pure-tone") signals in the midfrequency (1,000 Hz–8,000 Hz) range. In typical noisy environments, changes in noise of 1 to 2 dB are generally not perceptible. However, it is widely accepted that people are able to begin to detect sound level increases of 3 dB in typical noisy environments.

¹California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, September 2013.

Further, a 5-dB increase is generally perceived as a distinctly noticeable increase, and a 10-dB increase is generally perceived as a doubling of loudness. Therefore, a doubling of sound energy (e.g., doubling the volume of traffic on a highway) that would result in a 3-dB increase in sound, would generally be perceived as barely detectable.

When sound propagates over a distance, it changes in level and frequency content. The manner in which noise reduces with distance depends on geometric spreading, ground absorption, atmospheric effects, and shielding by natural or human-made features. Sound from a localized source (i.e., a point source) propagates uniformly outward in a spherical pattern. The sound level attenuates (or decreases) at a rate of 6 dB for each doubling of distance from a point source. Highways consist of several localized noise sources on a defined path, and hence can be treated as a line source, which approximates the effect of several point sources. Noise from a line source propagates outward in a cylindrical pattern, often referred to as cylindrical spreading. Sound levels attenuate at a rate of 3 dB for each doubling of distance from a line source.

The propagation path of noise from a highway to a receptor is usually very close to the ground. Noise attenuation from ground absorption and reflective-wave canceling adds to the attenuation associated with geometric spreading. Traditionally, the excess attenuation has also been expressed in terms of attenuation per doubling of distance. This approximation is usually sufficiently accurate for distances of less than 200 feet. For acoustically hard sites (i.e., sites with a reflective surface between the source and the receptor, such as a parking lot or body of water,), no excess ground attenuation is assumed. For acoustically absorptive or soft sites (i.e., those sites with an absorptive ground surface between the source and the receptor, such as soft dirt, grass, or scattered bushes and trees), an excess ground-attenuation value of 1.5 dB per doubling of distance is normally assumed. When added to the cylindrical spreading, the excess ground attenuation results in an overall drop-off rate of 4.5 dB per doubling of distance.

Receptors located downwind from a source can be exposed to increased noise levels relative to calm conditions, whereas locations upwind can have lowered noise levels. Sound levels can be increased at large distances (e.g., more than 500 feet) from the highway due to atmospheric temperature inversion (i.e., increasing temperature with elevation). Other factors such as air temperature, humidity, and turbulence can also have significant effects.

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 shielding depends on the size of the object and the frequency content of the noise source. Natural terrain features (e.g., hills and dense woods) and humanmade features (e.g., buildings and walls) can substantially reduce noise levels. Walls are often constructed between a source and a receptor specifically to reduce 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. Taller barriers provide increased noise reduction. Vegetation between the highway and receptor is rarely effective in reducing noise because it does not create a solid barrier.

Noise in our daily environment fluctuates over time. Some fluctuations are minor, but some are substantial. Some noise levels occur in regular patterns, but others are random. Some noise levels fluctuate rapidly, but others slowly. Some noise levels vary widely, but others are relatively constant. Various noise descriptors have been developed to describe time-varying noise levels. This Assessment uses Equivalent Sound Level (L_{eq}). L_{eq} represents an average of the sound energy occurring over a specified period. In effect, L_{eq} is the steady-state sound level containing the same acoustical energy as the time-varying sound that actually occurs during the same period. The one-hour A-weighted equivalent sound level (L_{eq} [h]) is the energy average of A-weighted sound levels occurring during a one-hour period, and is the basis for noise abatement criteria used by Caltrans and the Federal Highway Administration.

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The day-night average noise level (L_{dn}) is the average A-weighted noise level during a 24-hour day, obtained after an addition of 10 dBA to measured noise levels between the hours of 10:00 p.m. and 7:00 a.m. to account for nighttime noise sensitivity. The Community Noise Equivalent Level (CNEL) is the time average A-weighted noise level during a 24-hour day that includes an addition of 5 dBA to measured noise levels between the hours of 7:00 p.m. and 10:00 p.m. and an addition of 10 dBA to noise levels between the hours of 7:00 p.m. and 10:00 p.m. and an addition of 10 dBA to noise levels between the hours of 10:00 p.m. and 7:00 a.m. to account for noise sensitivity in the evening and nighttime, respectively.

Sound from a localized source (i.e., a point source) propagates uniformly outward in a spherical pattern. The sound level attenuates (or decreases) at a rate of 6 decibels for each doubling of distance from a point source. Highways consist of several localized noise sources on a defined path, and hence can be treated as a line source, which approximates the effect of several point sources. Noise from a line source propagates outward in a cylindrical pattern, often referred to as cylindrical spreading. Sound levels attenuate at a rate of 3 dB for each doubling of distance from a line source.

Vibration

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration.² Vibration can be a serious concern, causing buildings to shake and rumbling sounds to be heard. In contrast to noise, vibration is not a common environmental problem. It is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads. Some common sources of vibration are trains, buses on rough roads, and construction activities, such as rock blasting, pile driving, and heavy earth-moving equipment. High levels of vibration may cause physical personal injury or damage to buildings. However, vibration levels rarely affect human health. Instead, most people consider vibration to be an annoyance that may affect concentration or disturb sleep. In addition, high levels of vibration may damage fragile buildings or interfere with equipment that is highly sensitive to vibration (e.g., electron microscopes).

There are several different methods that are used to quantify vibration. The peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal. The PPV is most frequently used to describe vibration impacts to buildings and is usually measured in inches per second. The root mean square (RMS) amplitude is most frequently used to describe the effect of vibration on the human body. The RMS amplitude is defined as the average of the squared amplitude of the signal. Decibel notation (VdB) is commonly used to measure RMS. The VdB acts to compress the range of numbers required to describe vibration.

REGULATORY FRAMEWORK

Noise

Federal. The Noise Control Act of 1972 established programs and guidelines to identify and address the effects of noise on public health, welfare, and the environment. In 1981, the United States Environmental Protection Agency (USEPA) determined that subjective issues such as noise would be better addressed at local levels of government, thereby allowing more individualized control for specific issues by designated federal, state, and local government agencies. Consequently, in 1982, responsibilities for regulating noise control policies were transferred to specific federal agencies, and state and local governments. However, noise control guidelines and regulations contained in the USEPA rulings in prior years remain in place.

²Federal Transit Administration (FTA), Transit Noise and Vibration Impact Assessment, September 2018.

State. The State of California has adopted noise standards in areas of regulation not preempted by the federal government. State standards regulate noise levels of motor vehicles, sound transmission through buildings, occupational noise control, and noise insulation. State regulations governing noise levels generated by individual motor vehicles and occupational noise control are not applicable to planning efforts, nor are these areas typically subject to CEQA analysis.

Local. The City of Fresno addresses noise in the Noise Element of the General Plan and in Chapter 10, Article 1 (Noise Regulations), of the City of Fresno Municipal Code. The Noise Element sets noise standards for transportation sources as shown in **Table 1**.

TABLE 1: TRANSPORTATION (NON-AIRCRAFT) NOISE SOURCE STANDARDS						
	Outdoor Activity Areas /b/	oor Activity Areas /b/ Interior Spaces				
Noise-Sensitive Land Use /a/	L _{dn} /CNEL. dB	Ldn/CNEL, dB	L _{eq} , dB /b/			
Residential	65	45	-			
Transient Lodging	65	45	-			
Hospitals, Nursing Homes	65	45	-			
Theaters, Auditoriums, Music Halls	-	-	35			
Churches, Meeting Halls	65	-	45			
Office Buildings	-	-	45			
Schools, Libraries, Museums 45						
/a/ Where the location of outdoor activity areas is unknown or is not applicable, the exterior noise level standard shall be applied to the property line of the receiving land use.						
/b/ As determined for a typical worst-case hour during periods of use.						
SOURCE: City of Fresno, Noise Element of the General Plan, 2014.						

Listed below are objectives and policies related to noise that are presented in the Noise Element of the General Plan.

- **Policy NS-1-c: Generally Unacceptable Exterior Noise Exposure Range**. Establish the exterior noise exposure of greater than 65 dB L_{dn} or CNEL to be generally unacceptable for residential and other noise sensitive uses for noise generated by sources in Policy NS-1-a, and study alternative less noise-sensitive uses for these areas if otherwise appropriate. Require appropriate noise reducing mitigation measures as determined by a site specific acoustical analysis to comply with the generally desirable or generally acceptable exterior noise level and the required 45 dB interior noise level standards set in **Table 1** as conditions of permit approval.
- **Policy NS-1-g**: Noise mitigation measures which help achieve the noise level targets of this plan include, but are not limited to, the following:
 - Façades with substantial weight and insulation;
 - Installation of sound-rated windows for primary sleeping and activity areas;
 - Installation of sound-rated doors for all exterior entries at primary sleeping and activity areas;
 - Greater building setbacks and exterior barriers;
 - Acoustic baffling of vents for chimneys, attic and gable ends;
 - $\circ\,$ Installation of mechanical ventilation systems that provide fresh air under closed window conditions.
- **Policy NS-1-i: Mitigation by New Development**. Require an acoustical analysis where new development of industrial, commercial or other noise generating land uses (including transportation

facilities such as roadways, railroads, and airports) may result in noise levels that exceed the noise level exposure criteria established by **Table 1** to determine impacts, and require developers to mitigate these impacts in conformance with **Table 1** as a condition of permit approval through appropriate means. Noise mitigation measures may include:

- The screening of noise sources such as parking and loading facilities, outdoor activities, and mechanical equipment;
- Providing increased setbacks for noise sources from adjacent dwellings;
- Installation of walls and landscaping that serve as noise buffers;
- o Installation of soundproofing materials and double-glazed windows; and
- Regulating operations, such as hours of operation, including deliveries and trash pickup.

Alternative acoustical designs that achieve the prescribed noise level reduction may be approved by the City, provided a qualified Acoustical Consultant submits information demonstrating that the alternative designs will achieve and maintain the specific targets for outdoor activity areas and interior spaces. As a last resort, developers may propose to construct noise walls along roadways when compatible with aesthetic concerns and neighborhood character. This would be a developer responsibility, with no City funding.

• **Policy NS-1-j: Significance Threshold.** Establish, as a threshold of significance for the City's environmental review process, that a significant increase in ambient noise levels is assumed if the project would increase noise levels in the immediate vicinity by 3 dB L_{dn} or CNEL or more above the ambient noise limits established in this General Plan Update.

Chapter 10, Article 1 (Noise Regulations), of the Fresno Municipal Code establishes excessive noise guidelines and exemptions. Section 10-109 states that construction noise is exempted from City noise regulations provided such work takes place between the hours of 7:00 a.m. and 10:00 p.m. on any day except Sunday. The City of Fresno Municipal Code states that public works construction projects, maintenance, and repair. street, utility, and similar construction projects undertaken by or under contract to the City, or the State of California are exempt from noise limits.

Vibration

Federal. There are no relevant vibration standards in the Code of Federal Regulations. Caltrans has provided regulatory guidance for assessing vibration, as shown in **Table 2**.³ For damage, the impact criteria are established based on the structural foundation of the potentially impacted building. Site visits indicate that the buildings near the project site are constructed with engineer concrete or reinforced concrete and steel. Vibration levels that exceed a PPV of 0.3 inches per second could potentially damage these thresholds. The most stringent impact criteria related to annoyance is 65 VdB for buildings subject to frequent vibration events (e.g., multiple equipment passbys).

State. There are no adopted state vibration standards.

³California Department of Transportation, Transportation and Construction Vibration Guidance Manual, September 2013.

TABLE 2: CONSTRUCTION VIBRATION DAMAGE CRITERIA				
Building Category Peak Particle Velocity (inches per second)				
I. Reinforced-concrete, steel or timber (no plaster) 0.5				
II. Engineered concrete and masonry (no plaster)	0.3			
III. Non-engineered timber and masonry buildings 0.2				
IV. Buildings extremely susceptible to vibration damage 0.12				
SOURCE: California Department of Transportation, Transportation and Construction Vibration Guidance Manual, September 2013.				

Local. The City of Fresno Municipal Code states that, "No vibration shall be produced that is transmitted through the ground and is discernible without the aid of instruments by a reasonable person at the lot lines of the site. Vibrations from temporary construction, demolition, and vehicles that enter and leave the subject parcel (e.g., construction equipment, trains, trucks, etc.) are exempt from this standard." (Section 15-2507 – Vibration).

EXISTING SETTING

Existing Land Uses

The existing setting was established in accordance with guidance established by Caltrans, which includes various land use categories for noise and vibration assessments.

- Activity Category A Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.
- Activity Category B Residential.
- Activity Category C Active sport areas, amphitheaters, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, schools, television studios, trails, and trail crossings.
- Activity Category D Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios.
- Activity Category E Hotels, motels, offices, restaurants/bars, and other developed lands, properties, or activities not included in A–D or F.
- Activity Category F Agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing.
- Activity Category G Undeveloped lands that are not permitted.

A field investigation was conducted to identify land uses that could be subject to traffic and construction impacts from the proposed project. Existing land uses in the project area were categorized by land use type and Activity Category. These categories near the project site are shown in **Figure 1**.

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Figure 1: Noise Receivers and Monitoring Locations



SOURCE: TAHA, 2021.

Noise Measurement Results

The existing noise environment in the project area is characterized below based on short- and long-term noise monitoring that was conducted. Short-term measurement locations were selected to represent each major developed area within the project area. A single long-term measurement site was selected to capture the diurnal traffic noise level pattern in the project area.

Short-Term Monitoring. Short-term monitoring was conducted at seven locations on Tuesday, November 16, 2021, and Wednesday, November 17, 2021, using a Quest Soundpro Datalogging Type 2 sound level meter. The calibration of the meter was checked before and after the measurement using a Quest Model QC-10 calibrator. Measurements were taken over a 20-minute period at each site. The short-term measurement locations are identified in **Figure 1** and noise levels are shown in **Table 3**.

TABLE 3: SUMMARY OF SHORT-TERM MEASUREMENTS							
Position	Address	Area	Land Uses	Start Time	Duration (Minutes)	Leq (dBA)	
ST-1	Intersection Ashlan and Polk Aves.	В	Residences/Undeveloped Land	9:58 a.m.	20	63.8	
ST-2	Vacant lot east of 5323 Ashlan Ave.	F	Residences/Undeveloped Land	11:15 a.m.	20	71.8	
ST-3	5264 Buckingham Wy.	F	Residences/Undeveloped Land	10:47 a.m.	20	53.4	
ST-4	3896 N. Forestiere Ave.	G	Residences	12:54 p.m.	20	49.9	
ST-5	5088 W. Austin Wy.	С	Residences	2:25 p.m.	20	49.4	
ST-6	Intersection Ashlan and Cornelia Aves.	Н	Religious/Commercial	1:25 p.m.	20	68.9	
ST-7	4740 Austin Wy.	D	Residences	1:59 p.m.	20	49.8	
SOURCE: TAHA, 2021.							

Long-Term Monitoring. Long-term monitoring was conducted at one location (LT-1) using a TSI Quest SoundPro DL Sound Level Meter. The purpose of these measurements was to identify variations in sound levels throughout the day. The long-term sound level data was collected over a 24-hour period, beginning Tuesday, November 16, 2021, and ending Wednesday, November 17, 2021. The long-term monitoring location LT-1 was located approximately 150 feet south of Ashlan Avenue and approximately 1,000 feet east of Polk Avenue (refer to **Figure 1**). The monitored CNEL was 57.4 dBA. The average loudest-hour sound level measured was 58.1 dBA L_{eq} during the 8:30 a.m. hour.

SIGNIFICANCE THRESHOLDS

This Assessment was undertaken to determine whether construction or operation of the proposed project would have the potential to result in significant environmental impacts related to noise or vibration in the context of the Appendix G Environmental Checklist criteria of the CEQA Guidelines. Implementation of the proposed project may result in a significant environmental impact if it would result in:

- a) 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;
- b) Generation of excessive ground-borne vibration or ground-borne noise levels; and/or
- c) 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.

IMPACT ASSESSMENT

a) Would the proposed project result in 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? (Less-than-Significant Impact)

Construction

Noise levels from construction of the proposed project would fluctuate depending on the construction phase, equipment type and duration of use, distance between the noise source and receptor, and presence or absence of noise attenuation barriers. Construction activities typically require the use of numerous pieces of noise-generating equipment. **Table 4** summarizes noise levels produced by construction equipment that is commonly used on roadway construction projects. Construction equipment that is anticipated to be used would include equipment typical to roadway construction such as backhoes and pavers. Construction equipment noise levels are anticipated to range between 67.7 dBA L_{eq} and 81.9 dBA L_{eq} at 50 feet. The worst-case combined construction noise level would likely occur during the grading and site preparation phases, which would generate a combined noise level of 89 dBA L_{eq} at 50 feet.⁴ Construction noise at off-site receptors are residences to the south and north of Ashlan Avenue between Polk Avenue and Cornelia Avenue. Sensitive receptors adjacent to the project site would typically be located approximately 50 feet away from roadway construction and pavement breaking activities.

TABLE 4: NOISE LEVEL RANGES OF TYPICAL CONSTRUCTION EQUIPMENT				
Construction Equipment	Noise Level at 50 feet (dBA)			
Auger Drill	77.4			
Backhoe	73.6			
Compressor (air)	73.7			
Concrete Mixer Truck	74.8			
Concrete Pump Truck	74.4			
Concrete Saw	82.6			
Crane	72.6			
Dump Truck	72.5			
Excavator	76.7			
Front End Loader	75.1			
Generator	77.6			
Gradall	79.4			
Grader	81.0			
Jackhammer	81.9			
Man Lift	67.7			
Mounted Impact Hammer (hoe ram)	83.3			
Paver	74.2			
Pneumatic Tools	82.2			
Roller	73.0			
Scraper	79.6			
SOURCE: Federal Highway Administration, Roadway Construction Noise M	<i>Vodel</i> , Version 1.1, 2008.			

⁴USEPA, Noise from Construction Equipment and Operations, Building Equipment and Home Appliances, 1971.

The City of Fresno Municipal Code states that public works construction projects, maintenance, and repair. street, utility, and similar construction projects undertaken by or under contract to the City, or the State of California are exempt from noise limits. In addition, construction activities would comply with the time limitations in the Municipal Code, which allow construction activities to occur between the hours of 7:00 a.m. and 10:00 p.m. on any day except Sunday. Therefore, the proposed project would result in a less-than-significant impact related to construction noise.

Operations

The mobile source noise analysis was prepared in accordance with the Caltrans *Traffic Noise Analysis Protocol for New Highway Construction, Reconstruction, and Retrofit Barrier Projects* and the supporting *Technical Noise Supplement to the Traffic Noise Analysis Protocol*. While directly applicable for National Environmental Policy Act assessments, the Protocol was developed specifically for assessing roadway noise and the methodologies are applicable to the CEQA analysis associated with the proposed project.

Traffic noise levels were predicted using the Federal Highway Administration (FHWA) Traffic Noise Model Version 2.5 (TNM 2.5). Key inputs to the traffic noise model were the locations of roadways, traffic mix and speed, shielding features (e.g., topography and buildings), noise barriers, ground type, and receptors. Threedimensional representations of these inputs were developed using computer aided design drawings, aerials, and topographic contours. Traffic noise was evaluated under existing (2019) conditions, design-year (2035) no-project conditions, and design-year (2035) conditions with the proposed project. Loudest-hour traffic volumes, vehicle classification percentages, and traffic speeds under existing and design-year (2035) conditions were obtained from the Parc West Traffic Impact Analysis prepared in September 2019 by JLB Traffic Engineering Inc. for the City of Fresno. The Parc West Traffic Impact Analysis was utilized because it included traffic data at project intersections (Ashlan Avenue/Polk Avenue and Ashlan Avenue/Cornelia Avenue). The highest average traffic volumes in the project area are predicted to occur during the PM peak hour; therefore, PM peak hour traffic volumes were used in the model. The loudest hour is generally characterized by free-flowing traffic at the highway design speed. Traffic was noted to be free flowing on Ashlan Avenue, Polk Avenue, and Cornelia Avenue. To validate the accuracy of the model calculations, TNM 2.5 was used to compare measured noise levels to modeled noise levels at field measurement locations. For each receptor, traffic volumes counted during the short-term measurement periods were normalized to one-hour volumes. These normalized volumes were assigned to the corresponding project area roadways to simulate the noise source strength at the roadways during the actual measurement period. Modeled and measured sound levels were then compared to determine the accuracy of the model and if additional adjustment of the model was necessary.

Table 5 shows mobile source noise levels existing (2019) conditions, design-year (2035) no-project conditions, and design-year (2035) conditions with the proposed project. Future noise levels with the proposed project would not exceed the City's 65 dBA exterior CNEL standard at any location. There are locations where the noise increase would exceed 3 dBA from the proposed project condition in 2035 to the existing condition in 2009. However, the CNEL at these locations would be below 65 dBA. Regarding interior noise levels, the FHWA has indicated that the typical exterior-to-interior noise reduction for light-frame structures with single-pane windows is 20 dBA.⁵ It is reasonable to assume that interior noise levels would not exceed 45 dBA as exterior noise levels would not exceed 65 dB. Therefore, the proposed project would result in a less-than-significant impact related to operational noise.

⁵Federal Highway Administration, *Highway Traffic Noise: Analysis and Abatement Guidance*, 2011.

TABLE 5: MOBILE SOURCE NOISE LEVELS						
Receptor ID	Land Use	Existing dBA (2019)	Future No Project dBA (2035)	Proposed Project dBA (2035)	dBA Change from Project to No Project	dBA Change from Project to Existing
Al	Undeveloped Land	54	59	59	0	5
B1	Residence	57	61	61	0	4
B1 B2	Undeveloped Land	54	57	60	3	6
B2 B3	Residence	62	63	64	1	2
B3 B4	Ponding Basin	57	58	60	2	3
B5	Residence	55	57	59	2	4
B5 B6	Undeveloped Land	55	58	60	2	4
B7	Residence	55	57	59	2	4
B8	Residence	58	59	61	2	3
B9	Residence	59	61	62	1	3
B10	Undeveloped Land	58	60	60	0	2
C1	Residence	48	50	51	1	3
C2	Residence	48	50	52	2	4
C3	Residence	48	50	52	2	4
C4	Residence	49	51	52	1	3
C5	Residence	52	53	54	1	2
C6	Residence	51	53	53	0	2
C7	Residence	45	46	48	2	3
C8	Residence	46	48	49	1	3
D1	Residence	52	53	53	0	1
D2	Residence	54	56	56	0	2
D3	Residence	61	63	63	0	2
D4	Residence	54	55	56	1	2
D5	Residence	53	54	54	0	1
D6	Residence	55	56	56	0	1
E1	Undeveloped Land	53	57	57	0	4
E2	Residence	58	62	62	0	4
E3	Residence	53	58	58	0	5
F1	Residence	60	64	64	0	4
F2	Residence	59	63	64	1	5
F3	Residence	59	61	64	3	5
F4	Residence	55	57	62	5	7
F5	Undeveloped Land	56	58	63	5	7
F6	Residence	55	57	60	3	5
F7	Residence	51	55	57	2	6
F8	Residence	47	49	52	3	5
F9	Residence	45	47	49	2	4
F10	Residence	45	47	49	2	4
F11	Residence	45	47	49	2	4
G1	Residence	62	64	65	1	3
G2	Residence	52	54	56	2	4
G3	Residence	57	59	62	3	5
G4	Church	57	59	60	1	3
G5	Residence	50	52	53	1	3
G6	Residence	51	53	55	2	4
G7	Residence	46	47	49	2	3

TABLE 5: MOBILE SOURCE NOISE LEVELS						
Receptor ID	Land Use	Existing dBA (2019)	Future No Project dBA (2035)	Proposed Project dBA (2035)	dBA Change from Project to No Project	dBA Change from Project to Existing
G8	Residence	51	52	53	1	2
G9	Residence	55	56	57	1	2
G10	Residence	58	59	59	0	1
H1	Walgreens	62	64	64	0	2
H2	Undeveloped Land	62	63	63	0	1
НЗ	Nanaksar Satsang Sabha Ancillary Building	58	58	58	0	0
H4	Nanaksar Satsang Sabha Outdoor Area	54	55	55	0	1
Н5	Nanaksar Satsang Sabha Main Building	51	52	52	0	1
Note: The CNEL was developed by adjusting the modeled peak hour noise levels down by one decibel based on the difference between the monitored CNEL and the related peak hour Leq.						

Mitigation Measures

No significant impacts have been identified related to construction or operational noise. Therefore, no mitigation measures are required.

b) Would the proposed project result in generation of excessive ground-borne vibration or groundborne noise levels? (Less-than-Significant Impact)

Construction

Construction activity can generate varying degrees of vibration, depending on the procedure and equipment. Operation of construction equipment generates vibrations that spread through the ground and diminish in amplitude with distance from the source. The effect on buildings located in the vicinity of a construction site often varies depending on soil type, ground strata, and construction characteristics of the receiver building(s). The results from vibration can range from no perceptible effects at the lowest vibration levels, to low rumbling sounds and perceptible vibration at moderate levels, and to slight damage at the highest levels. In most cases, the primary concern regarding construction vibration relates to damage.

The Federal Transit Administration provides vibration levels for various types of construction equipment with an average source level reported in terms of velocity.⁶ Typical equipment anticipated to be used during construction and their associated vibration levels are shown in **Table 6**. Equipment utilized during project construction would be most similar to a large bulldozer, which generates a vibration level of 0.089 inches per second. Construction would occur within the street right-of-way and structures would typically be located approximately 50 feet away. At this distance a large bulldozer would generate a vibration level of approximately 0.031 inches per second, which would be below the 0.3 inches per second building damage criterion. In addition, the City of Fresno Municipal Code exempts temporary construction activities from the City's vibration standards. Therefore, the proposed project would result in a less-than-significant impact related to construction vibration.

⁶Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*, September 2018.

TABLE 6: VIBRATION LEVELS FOR CONSTRUCTION EQUIPMENT				
Equipment Vibration Level at 25 feet (Inches/Second)				
Loaded Trucks	0.076			
Large Bulldozer	0.089			
Small Bulldozer 0.003				
SOURCE: FTA, Transit Noise and Vibration Impact Assessment, September 2018.				

Operations

The proposed project would not include significant sources of vibration. Similar to the existing condition, vehicles passing along roadway would be the primary source of vibration. However, rubber-tired vehicles typically due not generate vibration that is perceptible.⁷ Therefore, the proposed project would result in a less-than-significant impact related to operational vibration.

Mitigation Measures

No significant impacts have been identified related to construction or operational vibration. Therefore, no mitigation measures are required.

c) 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 proposed project expose people residing or working in the project area to excessive noise levels? (No Impact)

The project site is not located within an airport land use plan or is it located two miles of a public airport or private airstrip. Therefore, no impact related to airport or airstrip noise would occur.

Mitigation Measures

No significant impacts have been identified related to the proposed project. Therefore, no mitigation measures are required.

⁷Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*, September 2018.

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REFERENCES

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