

**FINAL**

**Long Beach Utilities Department/  
Los Angeles Department of Water and Power  
Haynes Generating Station Recycled Water  
Pipeline Project**

**Initial Study/  
Mitigated Negative Declaration**

**April 15, 2024**

**Lead Agency:**

Long Beach Utilities Department  
1800 East Wardlow Road  
Long Beach, CA 90807

**Prepared by:**

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## ACRONYMS AND DEFINITIONS

AB	Assembly Bill
AASHTO	American Association of State Highway and Transportation Officials
AQ	Air Quality
AQMP	Air Quality Management Plan
BERD	Built Environment Resource Directory
bgs	below ground surface
BMP	best management plan
CARB	California Air Resources Board
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CGP	Construction General Permit
CML&EC	cement mortar-lined and epoxy-coated
CNDDB	California Natural Diversity Database
CH <sub>4</sub>	methane
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	Carbon dioxide equivalent
CRHR	California Register of Historical Resources
DR	dimension ratio
EIR	Environmental Impact Report
EO	Executive Order
EOP	Emergency Operations Plan
ERIS	Environmental Risk Information Services
ESA	Endangered Species Act
FEMA	Federal Emergency Management Agency
GHG	greenhouse gas
HDPE	high-density polyethylene
HGS	Haynes Generating Station
I-405	Interstate 405
in	inch
IPaC	Information for Planning and Consultation
IPCC	Intergovernmental Panel on Climate Change
IS	Initial Study
JFTB	Joint Forces Training Base
LACC	Los Angeles County Code
LACFCD	Los Angeles County Flood Control District

LADWP	Los Angeles Department of Water and Power
LBMC	Long Beach Municipal Code
LBUD	Long Beach Utilities Department
LST	localized significance threshold
LUP	Linear Underground Project
LUST	leaking underground storage tank
MLD	most likely descendant
MM	mitigation measure
MND	Mitigated Negative Declaration
MT	metric ton
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
N <sub>2</sub> O	nitrous oxide
NO <sub>2</sub>	nitrogen dioxide
NO <sub>x</sub>	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
NWI	National Wetlands Inventory
OCFA	Orange County Fire Authority
OSHA	Occupational Safety and Health
PM <sub>10</sub>	particulate matter less than 10 microns
PM <sub>2.5</sub>	particulate matter less than 2.5 microns
ppv	peak particle velocity
ROG	reactive organic gas
ROW	right-of-way
RW	recycled water
RWQCB	Regional Water Quality Control Board
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SBMC	Seal Beach Municipal Code
SFM	Sewer Force Main
SGR	San Gabriel River
SMARTS	Stormwater Multiple Application and Report Tracking System
SO	sulfur dioxide
SO <sub>x</sub>	oxides of sulfur
SR 22	State Route 22
SWPPP	Stormwater Pollution Prevention Plan
U.S. EPA	Environmental Protection Agency

USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	underground storage tank
VMT	vehicle miles traveled
VOC	volatile organic compound
WDID	Waste Discharger Identification
WSP	welded steel pipe

## 1 ENVIRONMENTAL CHECKLIST FORM

The following information is provided for the Long Beach Utilities Department (LBUD)/Los Angeles Department of Water & Power (LADWP) Haynes Generating Station (HGS) Recycled Water (RW) Pipeline Project to be located within the cities of Long Beach and Seal Beach, California. This checklist follows Appendix G of the CEQA Guidelines, as amended, to support an assessment of probable environmental impacts. The Long Beach Utilities Department is proceeding with a Haynes Generating Station Sewer Force Main (SFM) Project which will be constructed in the same vicinity as the HGS RW Pipeline Project. While the HGS SFM Project has independent utility, it may be constructed at the same time as the LBUD/LADWP HGS RW Pipeline Project.

**I. Project Title:**

LBUD/LADWP Haynes Generating Station Recycled Water Pipeline Project

**II. Lead Agency Name and Address:**

Long Beach Utilities Department  
1800 East Wardlow Road  
Long Beach, CA 90807

**III. Contact Person and Phone Number:**

Staff Contact:

Dennis Santos  
Manager of Engineering  
Long Beach Utilities Department  
562-570-2325

**IV. Project Location:**

The proposed Project (Project) alignment is as follows:

**Start:** Intersection of Atherton Street and Studebaker Road in Long Beach, CA 90815

**Route:**

- South along Studebaker Frontage Road, Studebaker Road, Studebaker Access Road / State Route 22 (SR 22) off-ramp, and south to east along College Park Drive, crossing the San Gabriel River, in Long Beach, CA 90815
- East crossing the San Gabriel River and along College Park Drive, in Long Beach, CA 90815 and Seal Beach, CA 90740
- South and crossing beneath SR 22 to LADWP Haynes Generating Station in Seal Beach, CA 90740

**End:** LADWP Haynes Generating Station in Seal Beach, CA 90740

The Project location is also shown in Figure 1 and Figure 2.

**V. Project Sponsor's Name and Address:**

Long Beach Utilities Department  
1800 East Wardlow Road  
Long Beach, CA 90807

Los Angeles Department of Water and Power  
4030 Crenshaw Blvd  
Los Angeles, CA 90008  
Attention: Katherine Rubin

**VI. General Plan Designation:**

Within the City of Long Beach, the Project work area (Figure 2) has the following land use designations (City of Long Beach, 2019):

- CC (Community Commercial)
- FCN (Founding and Contemporary Neighborhood)
- OS (Open Space)
- NSC-L (Neighborhood Serving Center or Corridor Low Density)

According to the Land Use Plan within the City of Long Beach’s Southeast Area Specific Plan (SEASP), the Project work area along roadways has the “Right-of-Way” land use designation. Properties and land adjacent to the Project work area have the land use designation: Right-of-Way/Caltrans Open Space (City of Long Beach, 2017).

The City of Long Beach GIS data was reviewed and no changes to the land use designations were found in the GIS data (City of Long Beach, n.d.)

Within the City of Seal Beach, roadways and roadway right-of-way do not have land use designations. Properties adjacent to the Project work area (Figure 2) within the City of Seal Beach have the following land use designations (City of Seal Beach, 2003b):

- Park
- Community Facility
- Light Industrial

The Project work area is within or under roads that have the following road system functional classifications (Caltrans, 2022):

- Local Road
  - Atherton Street, east of Studebaker Road (Long Beach)
  - Studebaker Frontage Road (Long Beach)
- Minor Collector
  - College Park Drive (Long Beach and Seal Beach)
- Major Collector
  - Anaheim Road, east of Studebaker Road (Long Beach)
- Minor Arterial
  - Atherton Street, west of Studebaker Road (Long Beach)
  - Anaheim Road, west of Studebaker Road (Long Beach)
- Other Principal Arterial
  - Studebaker Road (Long Beach)

- Other Freeway or Expressway
  - Studebaker Access Road / SR 22 off-ramp (Long Beach)
  - SR 22 (Long Beach and Seal Beach)

Within the City of Long Beach’s Mobility Element, roads are classified utilizing a context-sensitive approach (City of Long Beach, 2013). Thus, roads along the Project area do not have a functional classification system but rather are classified as the following:

- Minor Avenue
  - Atherton Street, west of Studebaker Road (Long Beach)
  - Anaheim Road, west of Studebaker Road (Long Beach)
- Major Avenue
  - Studebaker Road (Long Beach)
- Freeway
  - SR 22 (Long Beach)

#### **VII. Zoning:**

Within the City of Long Beach, the Project work area (Figure 2) has the following zoning designations (City of Long Beach, n.d.; City of Long Beach, 2021):

- CNA (Neighborhood Commercial Automobile-Oriented)
- PR (Public Right-of-Way Zone)
- R-1-N (Single-family Residential)
- SP-2-CMW (Specific Plan Channel/Marina/Waterway)
- SP-2-ROW (Specific Plan Right-Of-Way)

Within the City of Seal Beach, roadways and roadway right-of-way are not zoned.

Properties adjacent to the Project work area (Figure 2) within the City of Seal Beach have the following zoning designations (City of Seal Beach, 2010):

- OS-PR (Open Space Parks and Recreation)
- RHD-PD (Residential High Density-Planned Development)

#### **VIII. Description of Project:**

The Project would be constructed within previously disturbed areas supporting numerous existing structures and subsurface utilities, City and State roadways, and associated surface improvements (i.e., paving, landscaping, and above-ground utilities).

The purpose of the Project is to install a RW main to serve LADWP’s Haynes Generating Station located in the City of Long Beach, California. The Project would provide recycled water to the Haynes Generating Station to meet the needs of the future cooling process and to maximize the use of RW supply.

The Project would include construction of a contiguous RW pipeline composed of six segments of 12- to 24-inch (in) high-density polyethylene (HDPE) as described below and as depicted in Figure 3a and Figures 3b-3i (Carollo, 2022a & 2022b):

- Construction – new RW pipelines

A total of six new RW pipeline segments would be constructed within existing roadway right-of-way as follows:

- Within the City of Long Beach, a total of 1.30 miles of RW pipeline would be installed:
  - Segment RW 1-11. This segment would start at the connection with the existing LBUD RW supply pipeline located just immediately west of the intersection of Atherton Street and Studebaker Road. This segment would be constructed south from the intersection within the Studebaker Frontage Road until the road ends in a cul-de-sac (near E Anaheim Road) within the City of Long Beach (Figure 3b-3d).
    - Approximately 22 linear feet (ft) of 12-in HDPE Class dimension ratio (DR) 17 pipe, beginning at an existing LBUD 21-in diameter RW pipe within Atherton Street and terminating within the sidewalk on the southwest corner of Atherton Street and Studebaker Frontage Road within the road's right-of-way.
    - Approximately 2,712 linear ft of 24-in HDPE Class DR 17 pipe, beginning at the sidewalk of Atherton Street and Studebaker Frontage Road within the road's right-of-way and continuing south along the Studebaker Frontage Road to approximately E Anaheim Road.
  - Segment RW 1-10. This segment would begin at the end of Segment RW 1-11, where Studebaker Frontage Road ends in a cul-de-sac (near E Anaheim Road) and would be constructed within the road's right-of-way then within Studebaker Road to the intersection of College Park Drive and Studebaker Access Road / SR 22 off-ramp within the City of Long Beach (Figure 3d-3f).
    - Approximately 1,440 linear ft of 24-in HDPE Class DR 17 pipe would be constructed.
  - Segment RW 1-12. This segment would begin at the end of Segment RW 1-10, near the intersection of College Park Drive and Studebaker Access Road / SR 22 off-ramp and would be constructed within the existing Studebaker Access Road / SR 22 off-ramp ROW to near the intersection of Salida Ave and College Park Drive within the City of Long Beach (Figure 3f-3g).
    - Approximately 1,356 linear ft of 24-in HDPE Class DR 17 pipe would be constructed.
  - Segment RW 1-13. This segment would begin at the end of segment RW 1-12 near the intersection of Salida Ave and College Park Drive and would be constructed within College Park Drive to the west side of the College Park Drive bridge within the City of Long Beach (Figure 3g-3h).
    - Approximately 980 linear ft of 16-in HDPE Class DR 17 pipe would be constructed.
- Within the City of Long Beach and the City of Seal Beach:
  - Segment RW 1-14. This segment would begin at the end of segment RW 1-13 on the west side of the College Park Drive bridge and would be attached to the north side of the College Park Drive bridge structure adjacent to existing water utilities (Figure 3h) within the City of Long Beach and the City of Seal Beach. During construction, while the pipe is being attached to the existing bridge, the contractor would employ methods to prevent material or debris from falling into the San Gabriel River.

- Approximately 337 linear ft of 16-in cement mortar-lined and epoxy-coated (CML&EC) welded steel pipe (WSP) would be attached to the bridge.
- Within the City of Seal Beach, a total of 0.15 miles of RW pipeline would be installed:
  - Segment RW 1-15. This segment would begin at the end of segment RW 1-14 on the east side of the College Park Drive bridge and would be constructed within an existing paved access road and within College Park Drive then continue south underneath SR 22 and SR 22 right-of-way to the tie-in on the HGS property (Figure 3h-3i) within the City of Seal Beach.
  - Approximately 806 linear ft of 16-in HDPE Class DR 17 pipe would be constructed. Of the 806 linear ft, 249 linear ft of pipe would be placed within a 36-in micro-tunnel steel casing. The steel casing would be installed within a new tunnel (36-in diameter and 249 ft long) underneath SR 22. The steel casing would be installed at a depth of approximately 22-32 ft below existing ground (due to the variation in SR 22 elevation) and would require a pit to be dug on either side of SR 22. The receiving pit, dug on the north side of SR 22, would be 20 ft by 36 ft and dug at a depth of 22 ft below existing ground. The launch pit/jacking pit, dug on the south side of SR 22, would be 40 ft by 36 ft and dug at a depth of 21 ft below existing ground.

**Table 1. Pipeline Segments Corresponding to Design Sheets**

Pipeline Segment	Design Sheet	Figure
RW 1-11	C01, C02, C03	Figures 3b – 3d
RW 1-10	C03, C04, C05	Figures 3d – 3f
RW 1-12	C05, C06	Figures 3f – 3g
RW 1-13	C06, C07	Figures 3g – 3h
RW 1-14	C07	Figure 3h
RW 1-15	C07, C08	Figures 3h – 3i
Notes: Pipeline Segments correspond to those within the Preliminary Design Report (Carollo, 2022b) Design Sheets and Figures correspond to the Draft 100% Design Plans (Carollo, 2022a)		

- The majority of the RW pipeline would be installed via the traditional method of open-cut trenching. The average depth would be three feet to the top of the RW pipe.
- A portion of segment RW 1-15 would be installed via trenchless construction/micro-tunneling.

**IX. Surrounding Land Uses and Setting:**

The majority of the Project is located southwest of the Interstate 405 (I-405) and north of SR 22 in the southeastern portion of Long Beach in Los Angeles County and the western portion of Seal Beach in Orange County (Figure 1), with a short length of the Project on the eastern end extending south of SR 22. The Project site is located within and adjacent to the following roadways: Atherton Street, Studebaker Frontage Road, Studebaker Road, Studebaker Access Road / SR 22 off-ramp, College Park Drive, and SR 22 (Figure 2).

In the City of Long Beach, from the Studebaker Frontage Road to Anaheim Road, single family residences are located adjacent to the Project. South of Anaheim Road to E 9<sup>th</sup> Street commercial properties and parking lots are located adjacent to the Project area on the east and west side of Studebaker Road. South of E 9<sup>th</sup> Street, single family residences are located adjacent to the Project on the eastern side of Studebaker Road, Studebaker Access Road / SR 22 off-ramp, and on the northern side of College Park Drive. The College Park Drive bridge, owned and maintained by the Los Angeles County Department of Public Works, crosses the San Gabriel River and into Seal Beach.

In Seal Beach, Edison Park is located north of College Park Drive east of College Park Drive bridge and west of the proposed tunnelling location under SR 11. South of SR 22 ROW, the Project would be located within the HGS-owned industrial property.

**X. Other Public Agencies whose Approval is Required**

Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement) may include, but are not limited to:

- City of Long Beach – Encroachment and Traffic Control Permit
- Caltrans – Encroachment/Right to Enter Permit and Traffic Control Permit
- California State Water Resources Control Board – Dewatering Permit and Construction General Permit (CGP)/ Linear Underground Project (LUP) Type 2 (Issuance of a Waste Discharger Identification (WDID) Number)
- Los Angeles County Flood Control District (LACFCD) - Encroachment/Right to Enter Permit
- South Coast Air Quality Management District – Adherence to construction equipment rules for air emission regulations
- City of Seal Beach – Review of Project Design and Construction-related Items
- California Department of Fish and Wildlife – Adherence to mitigation measures for biological resources

**XI. Have California Native American tribes traditionally and culturally affiliated with the Project area requested consultation pursuant to Public Resources Code §21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc?**

Contact letter providing the opportunity to request consultation under Assembly Bill (AB) 52 was distributed by email on City of Long Beach letterhead (letter dated April 6, 2023) to Tribal representatives for the following 9 tribes/nations, as included on the Native American Heritage Commission (NAHC) contact list (dated October 20, 2022):

- Gabrieleño Band of Mission Indians – Kizh Nation (Andrew Salas, Chairperson)
- Gabrieleno/Tongva San Gabriel Band of Mission Indians (Anthony Morales, Chairperson)
- Gabrielino/Tongva Nation (Sandonne Goad, Chairperson)
- Gabrielino Tongva Indians of California Tribal Council (Robert Dorame, Chairperson)
- Gabrielino Tongva Indians of California Tribal Council (Christina Conley, Tribal Consultant and Administrator)
- Gabrielino-Tongva Tribe (Charles Alvarez)

- Juaneno Band of Mission Indians Acjachemen Nation – Belardes (Matias Belardes, Chairperson)
- Juaneno Band of Mission Indians Acjachemen Nation – Belardes (Joyce Perry, Tribal Manager)
- Juaneno Band of Mission Indians Acjachemen Nation 84A (Heidi Lucero, Chairperson)
- Santa Rosa Band of Cahuilla Indians (Lovina Redner, Tribal Chair)
- Soboba Band of Luiseno Indians (Isaiah Vivanco, Chairperson)
- Soboba Band of Luiseno Indians (Joseph Ontiveros, Cultural Resource Department)

Opportunity for Consultation initiated and complete. As of August 7, 2023, responses requesting consultation have been received from Tribal representatives of the Gabrielino Tongva Indians of California Tribal Council, the Gabrieleño Band of Mission Indians – Kizh Nation, and the Juaneno Band of Mission Indians Acjachemen Nation – Belardes. No responses have been received to date from the contacted representatives for the Gabrieleno/Tongva San Gabriel Band of Mission Indians, Gabrielino/Tongva Nation, Gabrielino-Tongva Tribe, Juaneno Band of Mission Indians Acjachemen Nation 84A, Santa Rosa Band of Cahuilla Indians, or the Soboba Band of Luiseno Indians. Refer to Section 4.18 of this Initial Study (IS) / Mitigated Negative Declaration (MND) for a summary of consultation and mitigation measures.

## **XII. Mitigation Monitoring and Reporting Program Summary**

Provided in Appendix G.

Figure 1 – Regional Location Map



Figure 2 – Project Location Map

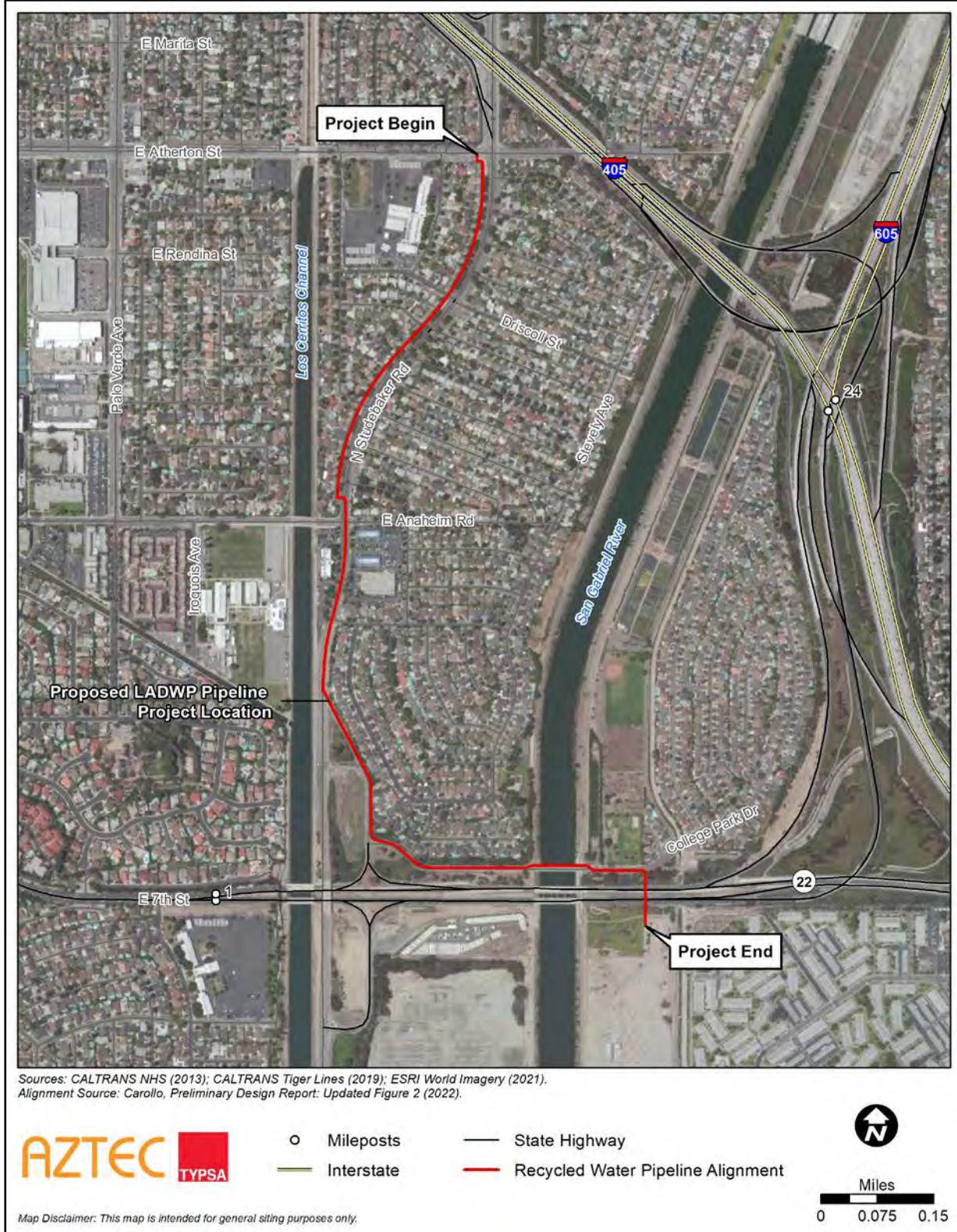
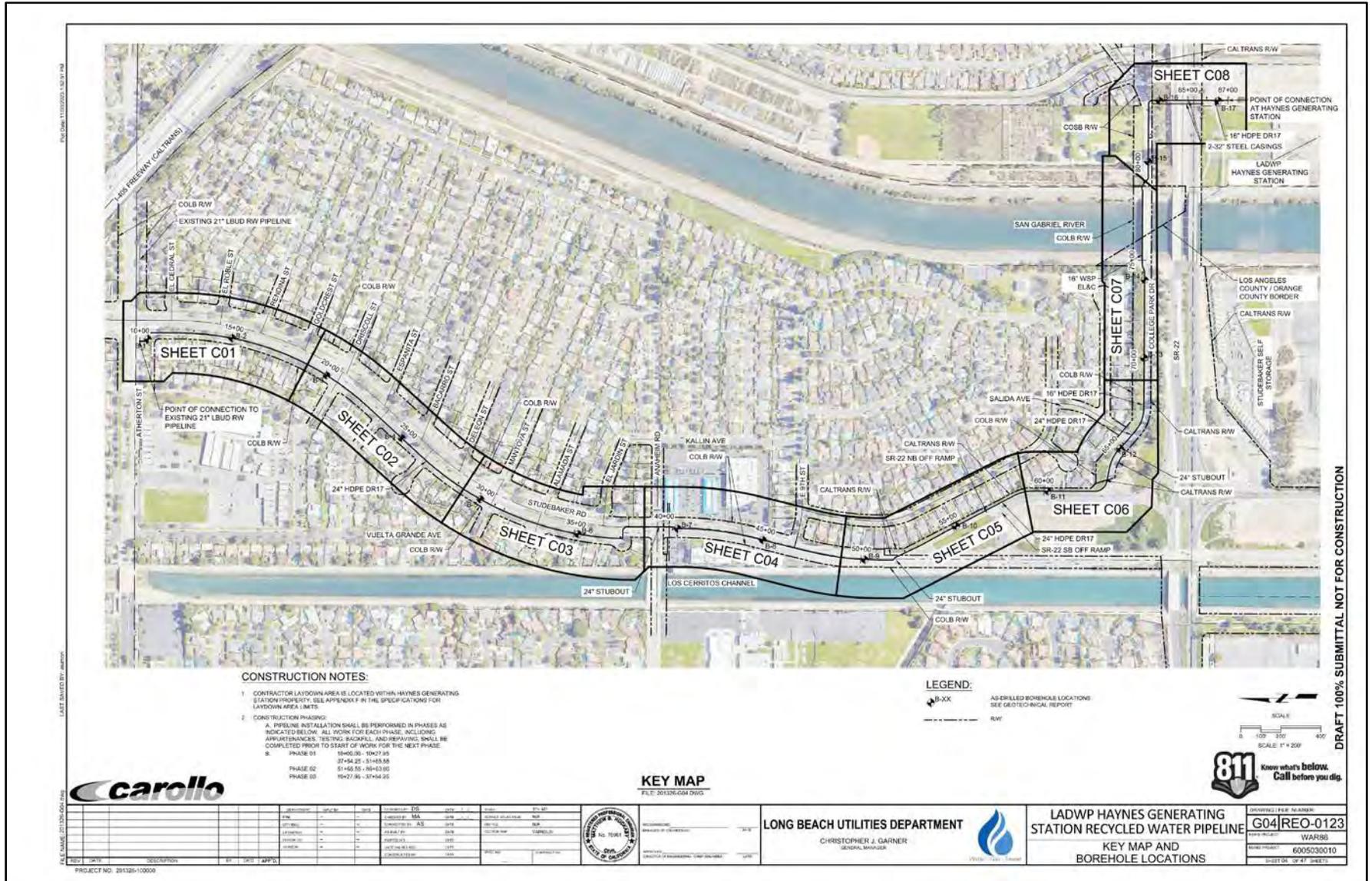
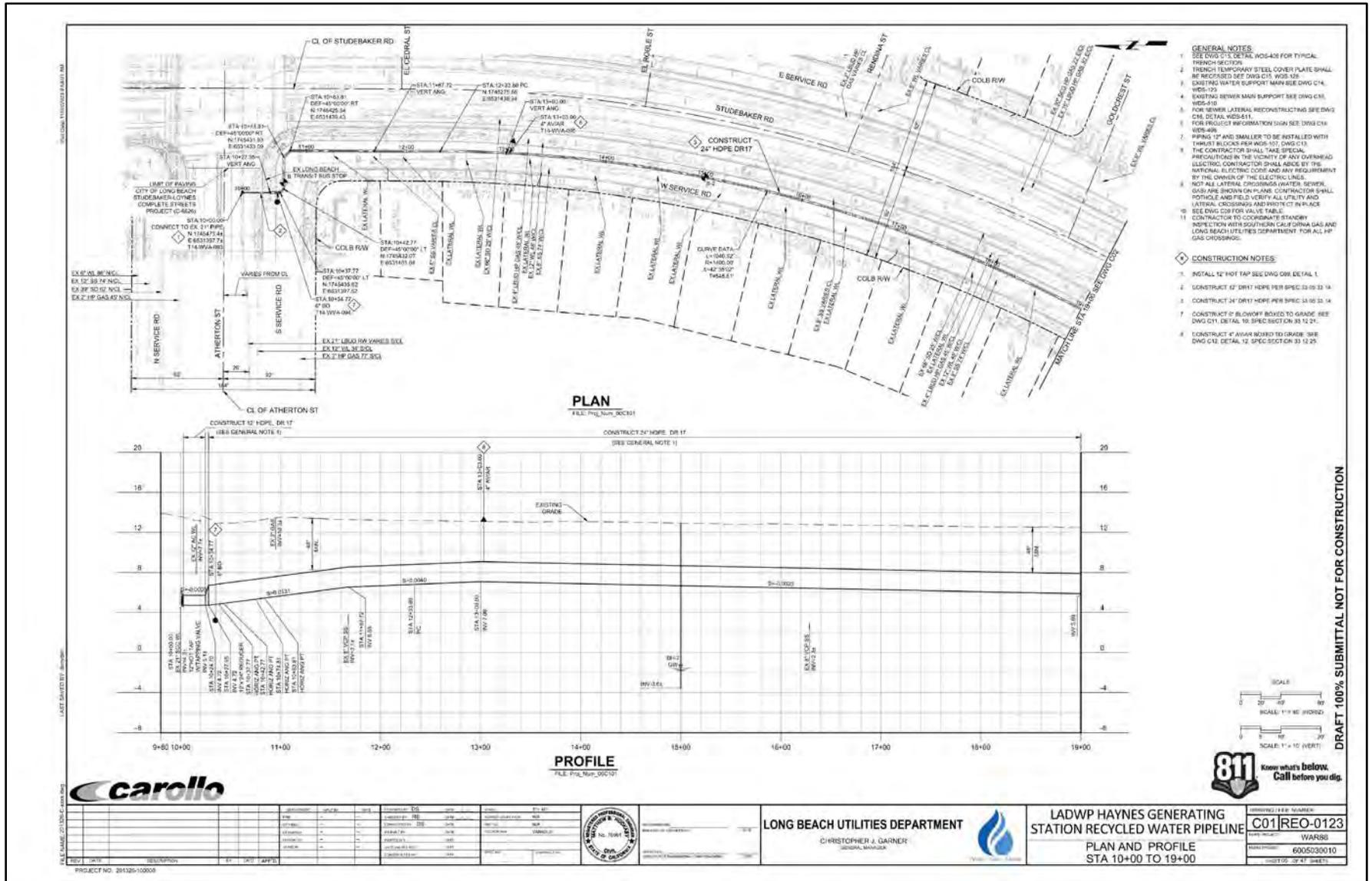


Figure 3a – Proposed Pipeline Alignment – Index Sheet



Source: Draft 100% Design Plans (Carollo, 2022a)

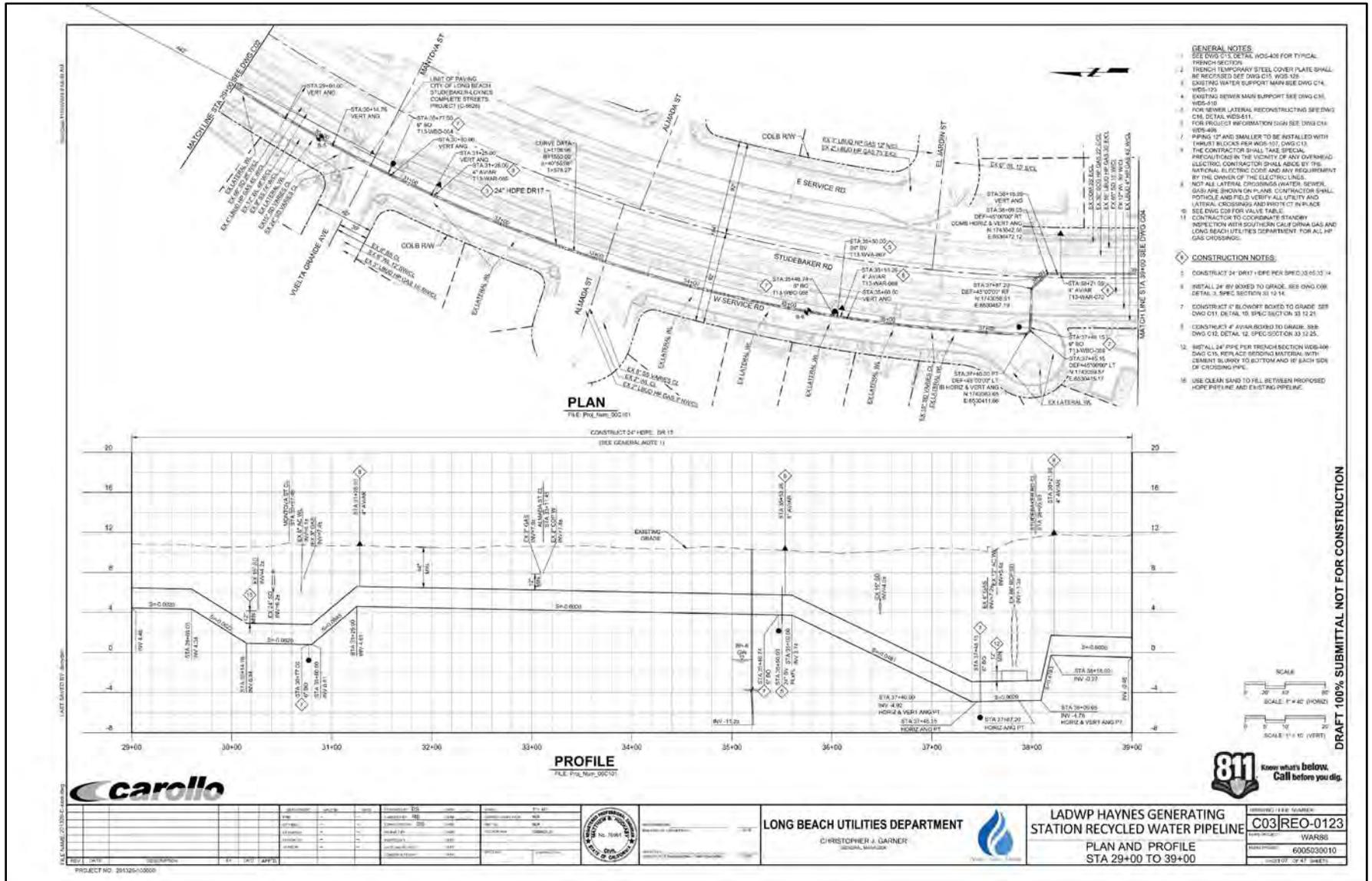
Figure 3b – Proposed Pipeline Alignment – Details



Source: Draft 100% Design Plans (Carollo, 2022a)

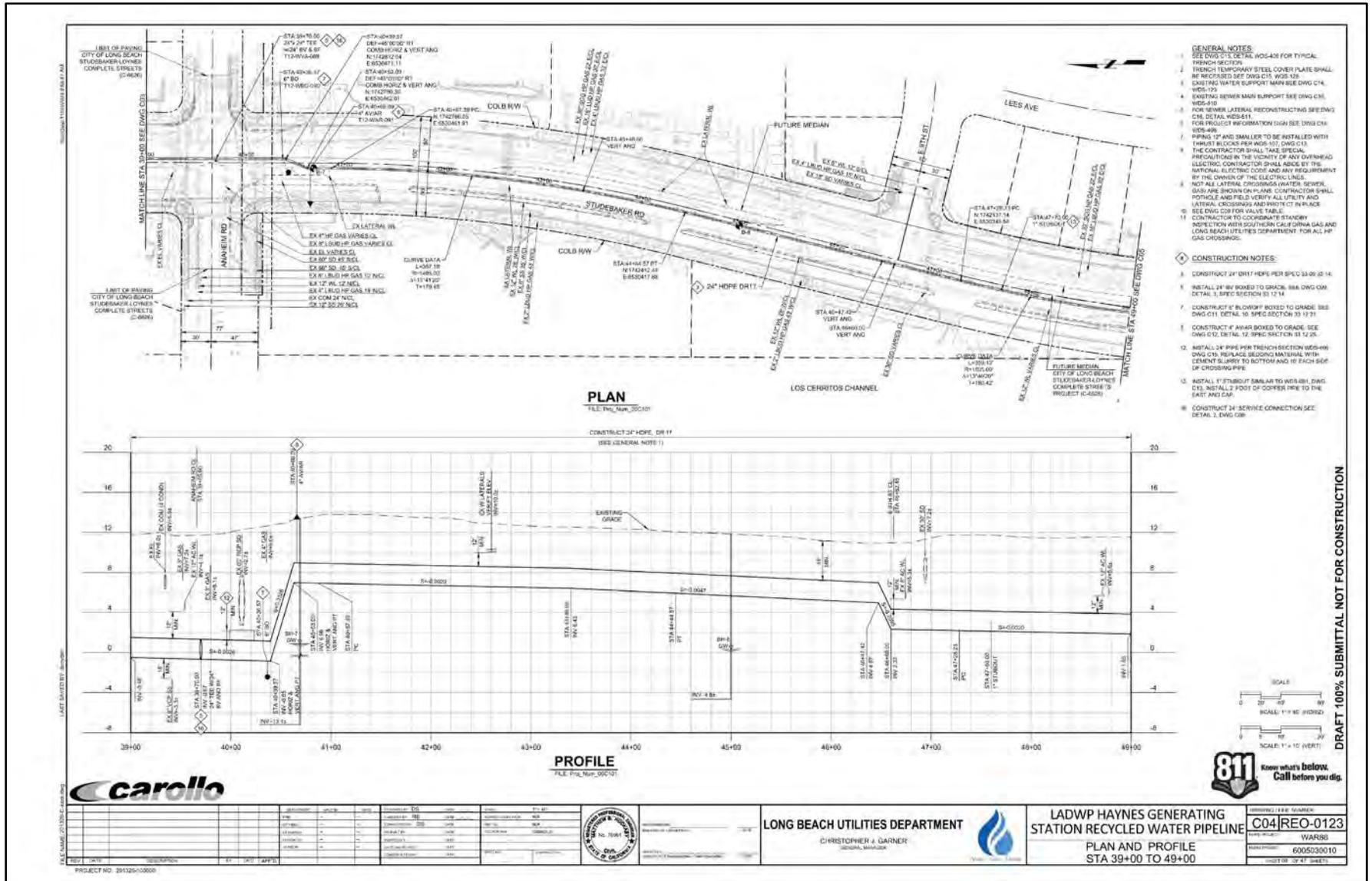


Figure 3d – Proposed Pipeline Alignment – Details



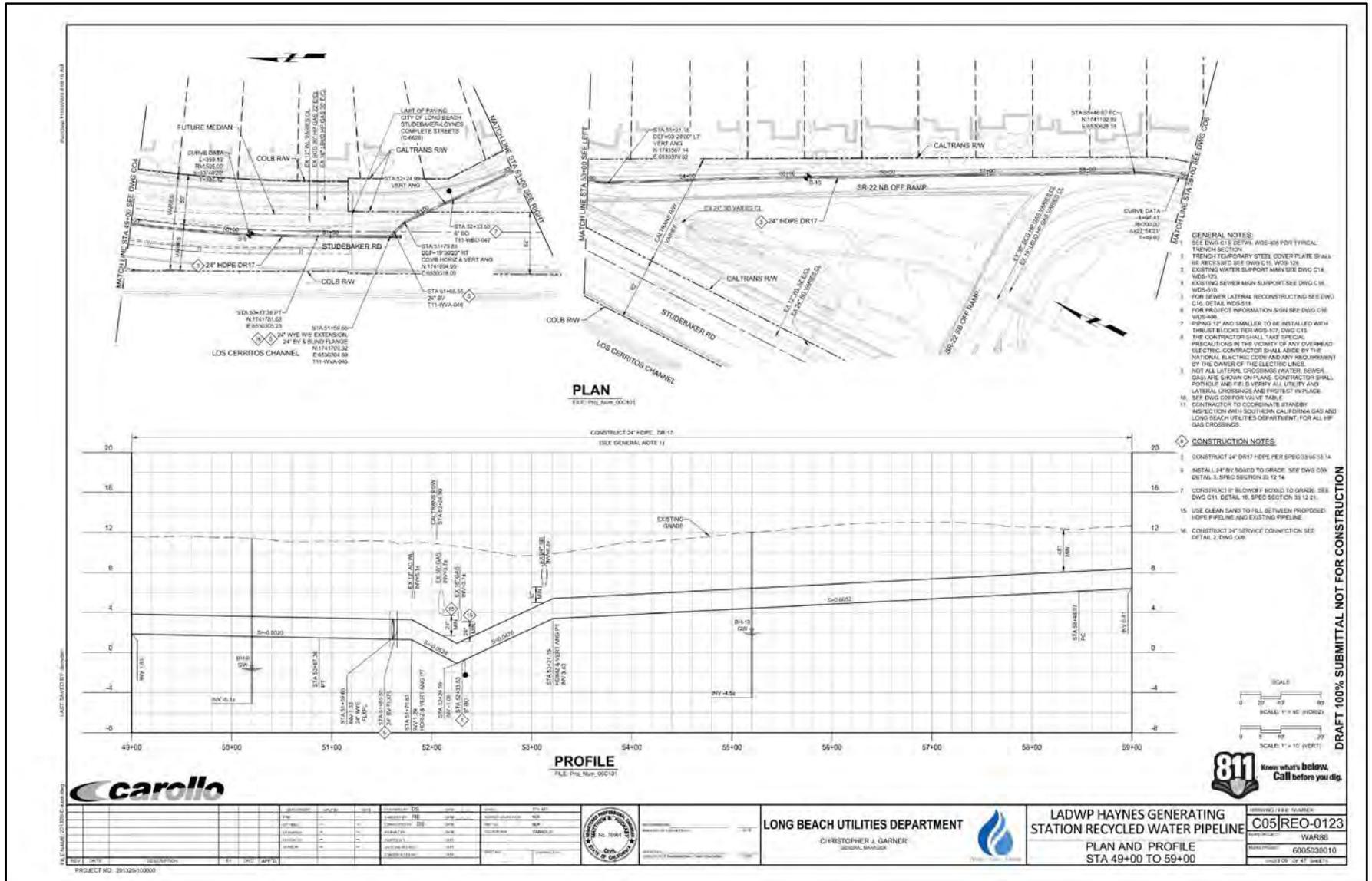
Source: Draft 100% Design Plans (Carollo, 2022a)

Figure 3e – Proposed Pipeline Alignment – Details



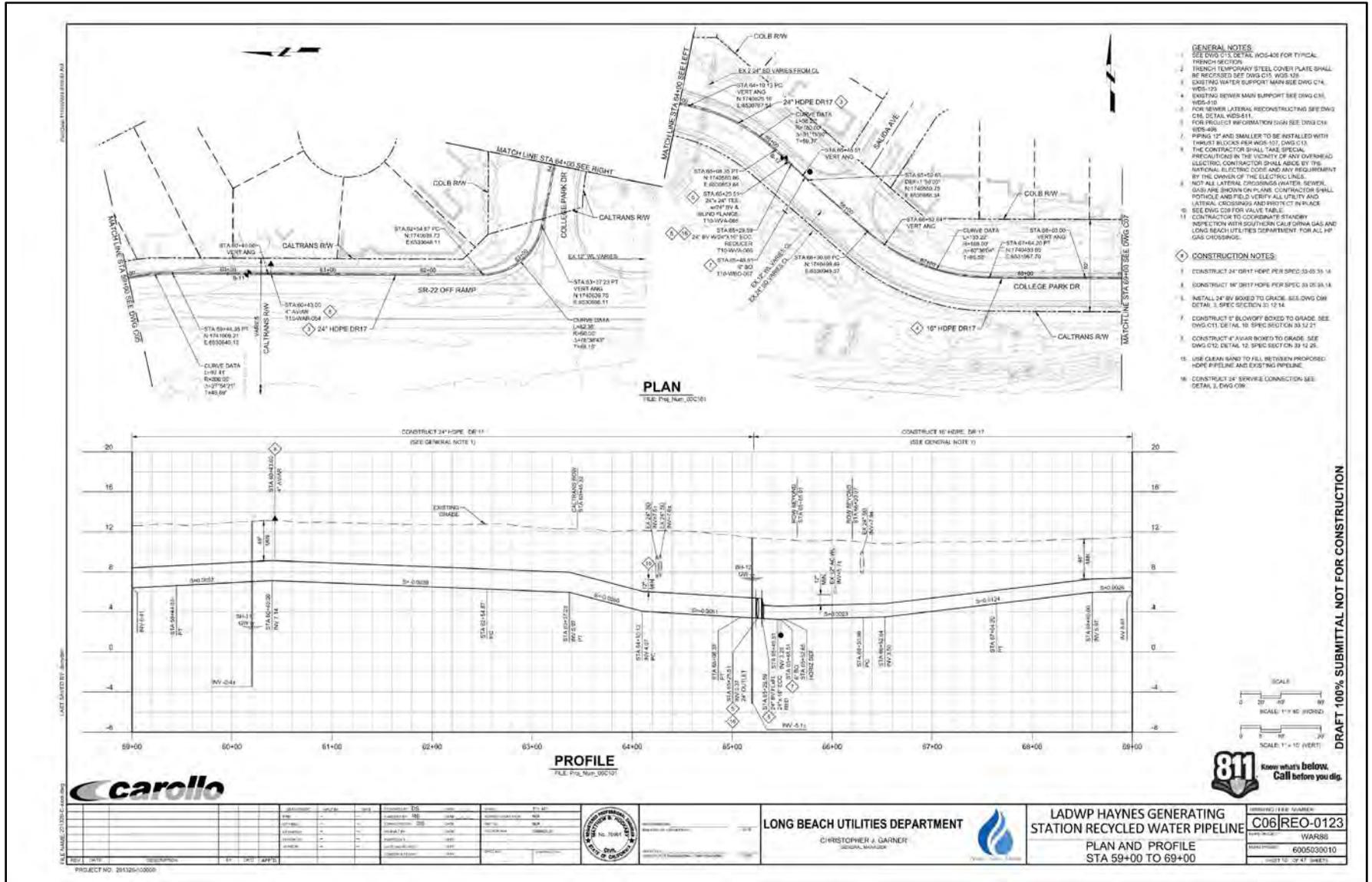
Source: Draft 100% Design Plans (Carollo, 2022a)

Figure 3f – Proposed Pipeline Alignment – Details



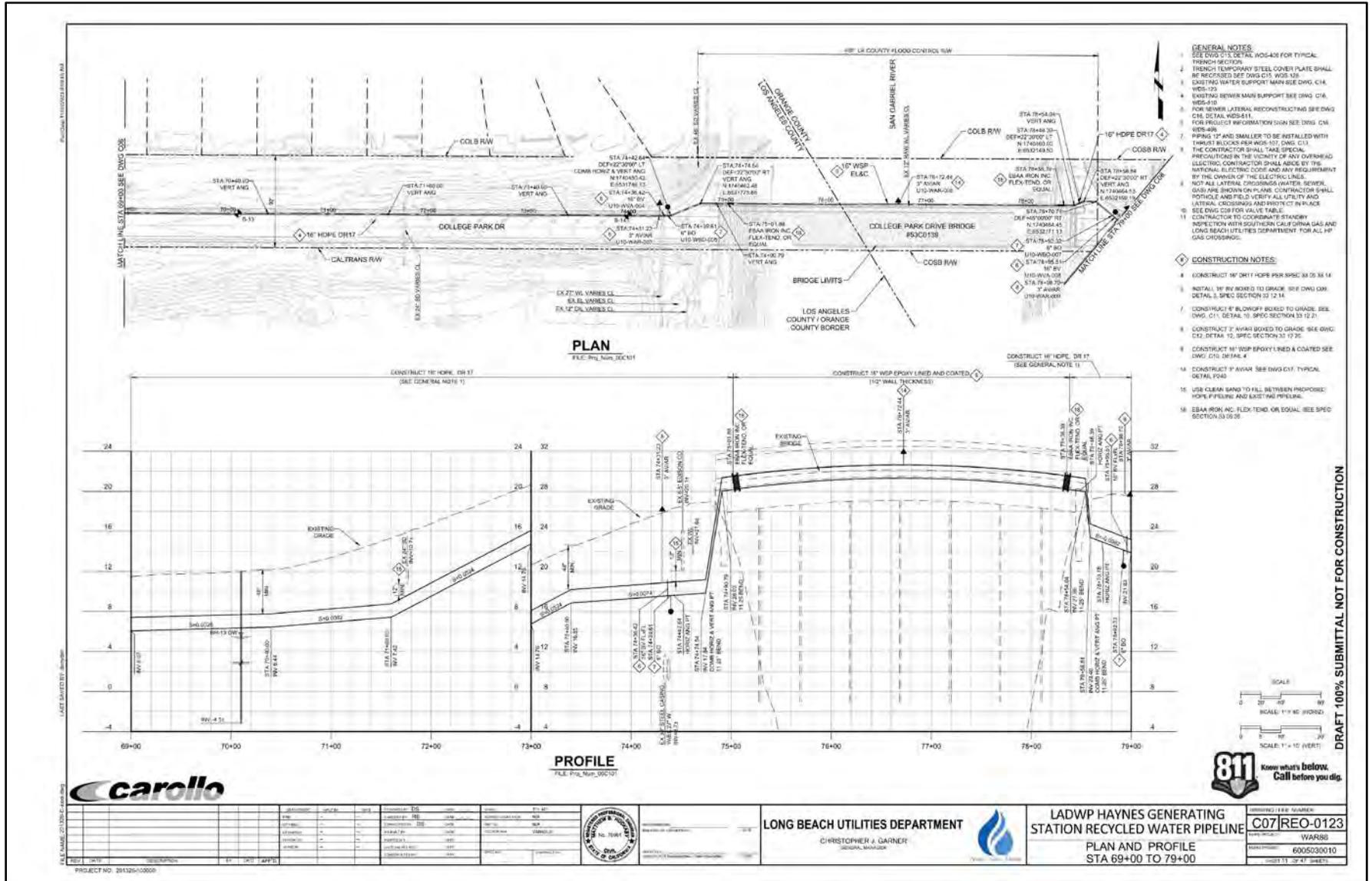
Source: Draft 100% Design Plans (Carollo, 2022a)

Figure 3g – Proposed Pipeline Alignment – Details



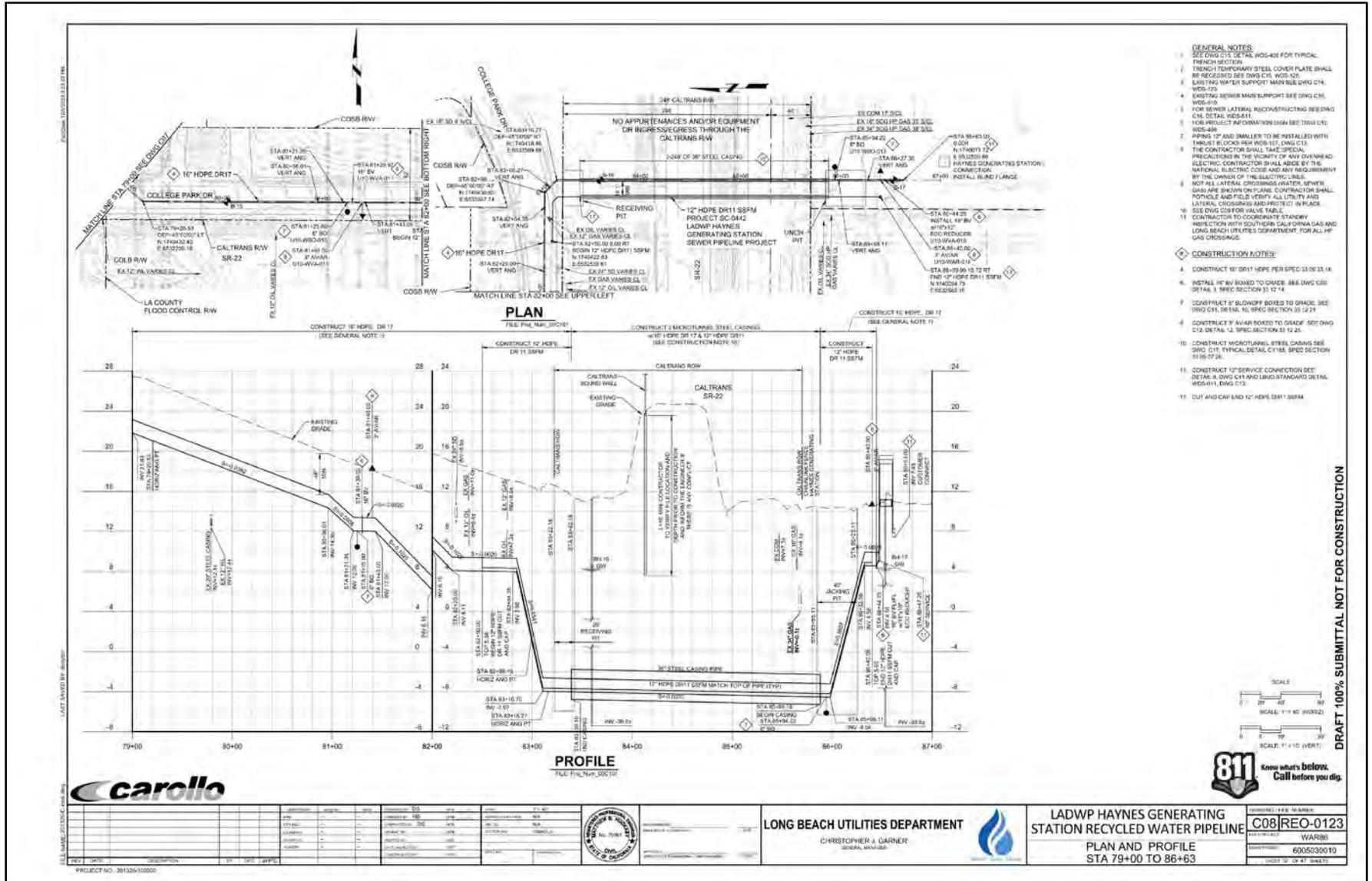
Source: Draft 100% Design Plans (Carollo, 2022a)

Figure 3h – Proposed Pipeline Alignment – Details



Source: Draft 100% Design Plans (Carollo, 2022a)

Figure 3i – Proposed Pipeline Alignment – Details



Source: Draft 100% Design Plans (Carollo, 2022a)

**2 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” or “Less Than Significant With Mitigation Incorporated,” as indicated by the checklist on the following pages.

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

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

Submitted by:  
Long Beach Utilities Department

  
\_\_\_\_\_  
Signature

4/18/2024  
\_\_\_\_\_  
Date

### 3 INTRODUCTION

#### CEQA Overview

The California Environmental Quality Act (CEQA) requires that all state and local government agencies consider the environmental consequences of programs and projects over which they have discretionary authority before taking action on them. The City of Long Beach (City)/LBUD has determined that the Haynes Generating Station Recycled Water Pipeline Project (Project) constitutes a “project” as defined by CEQA. The CEQA guidelines (California Code of Regulations, Title 14, Division 6, Chapter 3, Sections 15000–15387) Section 15367 states that the lead agency is “the public agency which has the principal responsibility for carrying out or approving a project.” Therefore, the City/LBUD is the lead agency and responsible for compliance with CEQA.

Section 15063 of the CEQA guidelines identifies specific disclosure requirements for inclusion in an IS. Pursuant to those requirements, an IS shall include:

- A description of the project, including the location of the project;
- Identification of the environmental setting;
- Identification of environmental effects by use of a checklist, matrix, or other method, provided that entries on a checklist or other form are briefly explained to indicate that there is some evidence to support the entries;
- Discussion of ways to mitigate significant effects identified, if any;
- Examination of whether the project is compatible with existing zoning, plans, and other applicable land use controls; and
- The name(s) of the person(s) who prepared or participated in the preparation of the initial study.

#### Authority

The LBUD is the CEQA lead agency responsible for the review and approval of the Project. Based on the findings of the IS, the LBUD has made the determination that a MND is the appropriate environmental document to be prepared in compliance with CEQA (California Public Resources Code, Section 21000 et seq.). As stated in CEQA Section 21064, an MND may be prepared for a project subject to CEQA when an IS has identified no potentially significant effects on the environment.

For the Project to obtain environmental clearance in the form of a MND, any potential significant adverse effects must be mitigated to a less-than significant level. This document alone does not determine whether the Project will be approved. Rather, it is a disclosure document aimed at informing concerned parties and fostering informed discussion and decision-making regarding all aspects of the Project.

#### Documents Incorporated by Reference

The following document was utilized during preparation of this Initial Study and is incorporated by reference. This document is available for review online at <https://ceqanet.opr.ca.gov/2021110083>.

- Draft Initial Study/Mitigated Negative Declaration, Haynes Generating Station Unit 8, SCH number 2021110083. 2021. Los Angeles Department of Water and Power. 111 North Hope Street, Room 1044, Los Angeles, California 90012.

The Haynes Generating Station Unit 8 Recycled Water Cooling System Retrofit Project IS/MND considers improvements at the HGS that enable LADWP to modify its existing generation units that currently rely on once-through cooling to supply water losses and makeup water and the discharge of industrial wastewater and storm to the San Gabriel River. Under this related project, LADWP will construct a new storage reservoir and pump station at the HGS site, as described in the Haynes Generating Station Unit 8 Recycled Water Cooling System Retrofit Project

IS/MND (SCH #2021110083) with a total capacity of approximately 3 MG that would enable for the discharge of industrial wastewater and stormwater to the sanitary sewer system.

A new pump station will be constructed within a separate, new above ground concrete structure (or an underground vault) located on the HGS site. The new pumps would be electrically driven and constructed within a new enclosed structure or underground utility vault. The new electrical equipment, including a new LADWP transformer, would be placed at the new pump station site. Indirect GHG emissions from the HGS retrofit and potential impacts to biological, water, and cultural resources were addressed in the Haynes Generating Station Unit 8 Recycled Water Cooling System Retrofit Project IS/MND and were found to be less than significant.

### **Scope of Initial Study Checklist**

AZTEC, under the LBUD and the City's guidance, prepared the project's IS checklist per CEQA Guidelines Sections 15063–15065. The CEQA Guidelines include a suggested checklist to indicate whether a project would have an adverse impact on the environment. The checklist is found in Section 4 of this document. Following the checklist, Sections 4.1 through 4.21 include an explanation and discussion of each significance determination made in the checklist. For this IS, the following four possible responses to each individual environmental issue area are included in the checklist:

- Potentially Significant Impact
- Less than Significant Impact with Mitigation Incorporated
- Less than Significant Impact
- No Impact

The checklist and accompanying explanation of checklist responses provide the information and analysis necessary to assess relative environmental impacts of the project. In doing so, the LBUD/City will determine the extent of additional environmental review, if any, for the project.

#### 4 EVALUATION OF ENVIRONMENTAL IMPACTS

- 1) A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects 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 would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, 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.
- 4) “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.
- 5) 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 an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - c) Mitigation Measures. For effects that are "Less than Significant with Mitigation 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.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
- 9) The explanation of each issue should identify:
  - a) the significance criteria or threshold, if any, used to evaluate each question; and
  - b) the mitigation measure identified, if any, to reduce the impact to less than significance.

## 4.1 Aesthetics

The Aesthetics section of this environmental document evaluates the impact the Project would have on aesthetic resources.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>I. AESTHETICS.</b> Except as provided in Public Resources Code §21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) In nonurbanized 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 the applicable zoning or other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### Impacts Analysis

- a) **No Impact.** Important vistas within the City of Long Beach, as identified in the City of Long Beach General Plan Urban Design Element, include views of the Pacific Ocean, downtown Long Beach, marinas, and the San Gabriel and Santa Ana Mountains to the northeast, and views from high points like Signal Hill (City of Long Beach, 2019). Scenic / view assets identified in the City of Long Beach’s Scenic Routes Element of the General Plan adopted in 1975, include views of the Pacific Ocean, port facilities, and oil islands from Ocean Blvd, Bixby Park, and Bluff Park (City of Long Beach, 1975b).

The City of Seal Beach defines “view parks” as those “smaller passive parks designed to take advantage of a significant view” within the Open Space section of their General Plan (City of Seal Beach, 2003d).

No important or scenic vistas as identified in the City of Long Beach’s Urban Design Element or Scenic Routes Element, or “view parks” as identified in the City of Seal Beach’s Open Space section, are found within the Project area. Therefore, construction and operation of the Project would result in no impact under this criterion.

- b) **Less Than Significant Impact.** The Project is not located in or near an officially designated state scenic highway. The nearest eligible state scenic highway is SR 1 approximately 1.20 miles west of the Project area (Caltrans, 2019). There is limited visibility of the Project area from SR 1 and construction of the Project would result in a temporary degradation of visual resources by introducing construction equipment and construction materials within the viewshed of SR 1. The Project would result in a temporary impact to scenic resources for the duration of construction. Therefore, construction of the Project would result in less than significant impact under this criterion. During operation and maintenance, the Project would operate underground and would not alter or remove aboveground visual resources within the viewshed of SR 1. Maintenance of the pipeline would require maintenance equipment (e.g., work trucks) to be located within the Project area. However, maintenance would be short-term and temporary in nature, and would not

remove aboveground visual resources within the viewshed of SR 1. Therefore, operation of the Project would result in less than significant impact under this criterion.

- c) **No Impact.** The Project is located within a developed, urbanized area that contains residential, commercial, industrial, and open space (parks) zoning. Construction and operation of the Project would adhere to the City of Long Beach zoning ordinances related to residential and commercial zones (Long Beach Municipal Code [LBMC], Sections 21.31 & 21.32; Los Angeles County Code [LACC], Sections 22.18 & 22.20); and adhere to the City of Seal Beach zoning ordinances related to industrial zones (Seal Beach Municipal Code [SBMC], Section 11.2.15). During construction and operation, the Project would meet applicable City of Long Beach and City of Seal Beach zoning codes and ordinances related to scenic quality. Therefore, construction and operation of the Project would result in no impact under this criterion.
- d) **Less Than Significant Impact.** Within Long Beach, existing street lighting (e.g., streetlamps) within the Project area is present along Studebaker Road, the Studebaker Access Road / SR 22 off-ramp, and College Park Drive, and at the following intersections: Atherton Street / Studebaker Road, Driscoll Street / Studebaker Road, and Anaheim Road / Studebaker Road. Within Seal Beach, existing street lighting (e.g. street lamps) within the Project area is present along College Park Drive, and overhead lighting (e.g. flood lights) is present on the HGS property. No permanent lighting would be installed for the Project. During construction, the Project may add low to moderate levels of exterior lighting for security, signage, or temporary work lighting for construction areas if construction activities are performed at night or under deficient daylight conditions. The Project would not significantly increase light levels over the existing ambient conditions during construction; however, it would introduce temporary downward facing light for the duration of construction. Therefore, construction of the Project would result in less than significant impact under this criterion. During operation, the Project would operate underground and would not create aboveground sources of light. Maintenance of the pipeline would require maintenance vehicles to operate during the day but would not introduce a significant source of light above ambient levels. Therefore, operation of the Project would result in less than significant impact under this criterion.

Glint may occur off the windshield of construction vehicles and safety vests worn by on-site personnel. The Project would construct a RW pipeline underground and does not include installation of permanent lighting. Construction of the Project would not utilize building materials with highly reflective properties. As discussed above, if construction activities are performed at night or under deficient daylight conditions, low to moderate levels of exterior lighting or temporary work lighting may be used during construction. Temporary lighting would be shielded and downward facing. Thus, it would not introduce a significant amount of glare to the Project area. Therefore, construction of the Project would result in less than significant impact under this criterion. During operation, the Project would operate underground and would not require sources of light. Maintenance of the pipeline would require maintenance vehicles to operate during the day but would not introduce a significant source of glare above ambient levels. Therefore, operation of the Project would result in less than significant impact under this criterion.

## 4.2 Agriculture and Forestry Resources

The Agriculture and Forestry Resources section of this environmental document evaluates the impact the Project would have on agriculture and forest resources.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<p><b>II. AGRICULTURE AND FORESTRY RESOURCES.</b> 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:</p>				
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code §12220(g)), timberland (as defined by Public Resources Code §4526), or timberland zoned Timberland Production (as defined by Government Code §51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Impacts Analysis

- a) **No Impact.** The Project is located within a developed, urbanized area and no agricultural land is present in the Project area. According to the California Department of Conservation's Important Farmland Finder (2018), the Project area is classified as Urban Built-Up Land, and does not contain Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland). Therefore, construction and operation of the Project would result in no impact under this criterion.
- b) **No Impact.** The Project area is not under a Williamson Act contract, nor is the Project area zoned for agricultural use (State of California, 1965). Therefore, construction and operation of the Project would result in no impact under this criterion.

- c) **No Impact.** There is no land zoned as forest land, timberland, or as timberland zoned Timberland Production within the City of Long Beach or the City of Seal Beach (City of Long Beach, 2019; City of Seal Beach, 2003b). Thus, the Project area does not contain land zoned as forest land, timberland, or as timberland zoned Timberland Production. Therefore, construction and operation of the Project would result in no impact under this criterion.
- d) **No Impact.** There is no forest land within the City of Long Beach or the City of Seal Beach. The Project area does not contain forest land. Therefore, construction and operation of the Project would result in no impact under this criterion.
- e) **No Impact.** There is no Farmland or forest land within the City of Long Beach or the City of Seal Beach. The Project area does not contain Farmland or forest land. Therefore, construction and operation of the Project would result in no impact under this criterion.

### 4.3 Air Quality

The information and analysis presented in this air quality section is based on the Air Quality and Greenhouse Gas (GHG) Technical Memorandum prepared by AZTEC Engineering Group, Inc. (Appendix A) for the Project.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>III. AIR QUALITY.</b> Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Impacts Analysis

- a) **Less Than Significant Impact with Mitigation Incorporated.** The Project is located within the South Coast Air Basin (SCAB) and under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The SCAQMD has developed an Air Quality Management Plan (AQMP) to improve regional air quality, address federal Clean Air Act requirements and National Ambient Air Quality Standards (NAAQS), and demonstrate attainment with state and federal ambient air quality standards (SCAQMD, 2022). The AQMP receives periodical updates to incorporate strategies and/or control measures to achieve attainment of federal and state standards.

The SCAB's 2016 AQMP focused on attainment strategies for five NAAQS (which included ozone [O<sub>3</sub>], and particulate matter less than 2.5 microns [PM<sub>2.5</sub>]) (SCAQMD, 2016). The SCAB's 2022 AQMP focuses on regulations and control measures to attain the 2015 8-hour O<sub>3</sub> standard (SCAQMD, 2022). For the Project to be compliant with the SCAQMD AQMP, the pollutants emitted by the Project should not exceed the SCAQMD daily threshold or cause a significant impact on air quality. The results of emission modeling for

each construction phase of the Project are shown in Table 2. Modeling results are shown in greater detail within Appendix A.

According to Table 2, the Project’s construction emissions would not exceed the SCAQMD’s significance thresholds with implementation of Mitigation Measure (MM) AQ-1 and MM AQ-2. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion.

**Table 2. Total Daily Exhaust Emissions Thresholds During Construction (pounds/day)**

Phase	CO	ROGs	NO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Site Preparation	5.5	0.6	6.2	0.3	0.2
Pavement Removal	7.8	0.9	6.7	0.7	0.4
RW Pipeline Installation	3.5	0.2	2.0	0.1	0.1
Paving	5.0	0.4	3.0	0.3	0.2
Peak Day (pounds/day)	21.8	2.1	17.9	1.4	0.9
SCAQMD Thresholds	550	75	100	150	55
<b>Exceedance of SCAQMD Thresholds?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Notes: CO=carbon monoxide; NO <sub>x</sub> =oxides of nitrogen; PM <sub>10</sub> =particles of 10 microns and smaller; PM <sub>2.5</sub> =particles of 2.5 microns and smaller; ROG/VOC=reactive organic gas/volatile organic compound; SCAQMD= South Coast Air Quality Management District Source: Appendix A; SCAQMD, 2023b.					

During operation, the Project would have minimal long-term operational air quality impacts from mobile source emissions associated with maintenance vehicular trips. Table 3 below shows the results of emission modeling associated with operation of the Project. Modeling results are shown in greater detail within Appendix A. According to Table 3, the Project’s operation emissions would not exceed the SCAQMD’s significance thresholds. Therefore, operation of the Project would result in less than significant impact under this criterion.

**Air Quality Mitigation Measures**

**MM AQ-1: Fugitive Dust Control.**

During clearing, grading, earth moving, or excavation operations, excessive fugitive dust emissions shall be controlled by regular watering or other dust preventive measures using the following procedures, as specified in the SCAQMD Rule 403.

All material excavated or graded shall be sufficiently watered in sufficient quantities to prevent the generation of visible dust plumes. Watering shall occur at least twice daily with complete coverage, preferably in the late morning and after work is done for the day. All material transported on-site or off-site shall be securely covered to prevent excessive amounts of dust. The area disturbed by clearing, grading, earth moving, or excavation operations shall be minimized so as to prevent excessive amounts of dust. The following control techniques shall be indicated in Project specifications:

- Minimize land disturbance

**Table 3. Total Daily Exhaust Emissions Thresholds During Operation (pounds/day)**

Source	CO	ROGs	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Area	4.0	1.2	0.1	0	0	0
Energy	0	0	0	0	0	0
Mobile	0	0	0	0	0	0
Peak Day (pounds/day)	4	1.2	0.1	0	0	0
SCAQMD Thresholds	550	55	55	150	150	55
<b>Exceedance of SCAQMD Thresholds?</b>	No	No	No	No	No	No

Notes:

CO=carbon monoxide; NO<sub>x</sub>=oxides of nitrogen; PM<sub>10</sub>=particles of 10 microns and smaller; PM<sub>2.5</sub>=particles of 2.5 microns and smaller; ROG/VOC=reactive organic gas/volatile organic compound; SO<sub>x</sub>=oxides of sulfur; SCAQMD= South Coast Air Quality Management District

Source: Appendix A; SCAQMD, 2023b.

- Use watering trucks to minimize dust; watering should be sufficient to confine dust plumes to the Project work areas
- Suspend grading and earthmoving when wind gusts exceed 25 miles per hour unless the soil is wet enough to prevent dust plumes
- Cover trucks when hauling dirt
- Stabilize the surface of dirt piles if not removed immediately
- Limit vehicular paths on unpaved surfaces and stabilize any temporary roads
- Sweep paved streets where there is evidence of dirt that has been carried on to the roadway
- Provide an operational water truck on-site at all times and use watering trucks to minimize dust; watering should be sufficient to confine dust plumes to the Project work areas

**MM AQ-2: Exhaust Emissions Control.**

The following measures shall be implemented as best management practices to minimize construction emissions:

- Minimize unnecessary vehicular and machinery activities
- Ensure that all construction equipment is properly tuned and maintained
- Minimize idling time to 5 minutes, which saves fuel and reduces emissions
- Utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary power generators

b) **Less Than Significant Impact with Mitigation Incorporated.** The Project is located within the SCAB and under the jurisdiction of the SCAQMD. The SCAB is currently in attainment for carbon monoxide (CO), the 24-hour federal particulate matter less than 10 microns (PM<sub>10</sub>), nitrogen dioxide (NO<sub>2</sub>), and sulfur dioxide (SO<sub>2</sub>) NAAQS. The SCAB is designated nonattainment for the 1-hour and 8-hour federal and state O<sub>3</sub> standards, the 24-hour state PM<sub>10</sub> standard, and the federal and state annual PM<sub>2.5</sub> standards. In addition, the Los Angeles County portion of the SCAB is designated nonattainment area for the federal lead standard for near-source monitors (SCAQMD, 2018). The air monitoring locations in the SCAB, including the near-source monitoring in Los Angeles County have remained below the NAAQS for lead for the period from 2012 through 2015.

The air quality impacts associated with construction of the Project would be temporary in nature and limited to the vicinity of the Project. According to Table 2, the Project's emissions during construction would not exceed the SCAQMD's significance thresholds with implementation of MM AQ-1 and MM AQ-2; thus, construction of the Project would not result in a cumulatively considerable net increase of any criteria air pollutant. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion.

During operation, the Project would have minimal long-term operational air quality impacts from mobile source emissions associated with maintenance vehicular trips. According to Table 3, the Project's operation emissions would not exceed the SCAQMD's significance thresholds; thus, operation of the Project would not result in a cumulatively considerable net increase of any criteria air pollutant. Therefore, operation of the Project would result in less than significant impact under this criterion.

- c) **Less Than Significant Impact.** The SCAQMD has developed localized significance threshold (LST) methodology and mass rate look-up tables, by source receptor area, that can be used by public agencies to determine if a project may generate significant adverse localized air quality impacts. The LSTs apply to emissions of oxides of nitrogen (NO<sub>x</sub>), CO, PM<sub>10</sub>, and PM<sub>2.5</sub>, and are based on distance to the nearest sensitive receptor (SCAQMD, 2023a).

According to the SCAQMD's Rule 1470, a sensitive receptor is defined as "any residence including private homes, condominiums, apartments, and living quarters, schools, preschools, daycare centers, and health facilities such as hospitals or retirement and nursing homes, long term care hospitals, hospices, prisons, and dormitories or similar live-in housing" (SCAQMD, 2021). The Project is located within a developed, urbanized area surrounded by single family residences. The Project has the following receptor locations:

Residential Receptors. Residential properties are present along Studebaker Frontage Road, N Studebaker Road, the SR 22 off-ramp, and College Park Drive. The closest residences to the Project are the homes along the SR 22 off-ramp to Studebaker Road, approximately less than 15 feet from the residential privacy walls to the RW pipeline alignment.

Healthcare Facilities. No healthcare facilities are located within 100 feet (30 meters) of the construction footprint.

Convalescent Facilities. No convalescent homes are located within 100 feet (30 meters) of the construction footprint.

Utilizing the CalEEMod (Version 2020.4.0) model, NO<sub>x</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub> emissions were evaluated for the construction phase and operation phase of the Project based on a 1-acre LST rate within 25 meters of a sensitive receptor. Modeling results are shown in greater detail within Appendix A. The results of the CalEEMod model for construction of the Project are shown in Table 4 below. According to Table 4, the Project construction phase emissions would not exceed the LST thresholds. Therefore, construction of the Project would result in less than significant under this criterion.

The results of emission modeling associated with on-site emissions, including area source and energy emissions and 5% of on-road emissions for operation of the Project are shown in Table 5. During operation, the Project would have minimal long-term operational air quality impacts from mobile source emissions associated with maintenance vehicular trips. According to Table 5, the Project's operation emissions would not exceed the SCAQMD LST thresholds. Therefore, operation of the Project would result in less than significant impact under this criterion.

**Table 4. Summary of On-Site Construction Emissions, Localized Significance (pounds/day)**

Project Phase	Emission Rates (pounds/day)			
	CO	NO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Site Preparation	5.3	6.1	0.2	0.2
Pavement Removal	7.3	6.7	0.3	0.3
RW Pipeline Installation	3.3	2.0	0.1	0.1
Paving	4.7	3.0	0.2	0.2
Peak Day (pounds/day)	20.6	17.8	0.8	0.8
SCAQMD Thresholds	585	57	4	3
<b>Exceeds Daily SCAQMD Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Notes: CO=carbon monoxide; NO <sub>x</sub> =oxides of nitrogen; PM <sub>10</sub> =particles of 10 microns and smaller; PM <sub>2.5</sub> =particles of 2.5 microns and smaller; SCAQMD= South Coast Air Quality Management District LST Thresholds based on South Coastal Los Angeles County Area, 1-acre LST rate within 25 meters of a sensitive receptor (SCAQMD, 2009).				

**Table 5. Summary of On-Site Operation Emissions, Localized Significance (pounds/day)**

Project Phase	Emission Rates (pounds/day)			
	CO	NO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Area	4	0	0	0
Energy	0	0	0	0
Mobile	0	0	0	0
Total (pounds/day)	4	0	0	0
SCAQMD Thresholds	585	57	1	1
<b>Exceeds Daily SCAQMD Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Notes: CO=carbon monoxide; NO <sub>x</sub> =oxides of nitrogen; PM <sub>10</sub> =particles of 10 microns and smaller; PM <sub>2.5</sub> =particles of 2.5 microns and smaller; SCAQMD= South Coast Air Quality Management District LST Thresholds based on South Coastal Los Angeles County Area, 1-acre LST rate within 25 meters of a sensitive receptor (SCAQMD, 2009).				

- d) **Less Than Significant Impact with Mitigation Incorporated.** During construction, construction equipment and associated vehicles would emit minor amounts of odors (e.g., diesel exhaust). Odor emissions would be short-term and temporary in nature, limited in extent at any given time, and distributed throughout the Project study area for the duration of construction; thus, odors would not affect a substantial number of individuals. Furthermore, implementation of MM AQ-1 and MM AQ-2 would ensure compliance with SCAQMD Rule 403 (Fugitive Dust) and Rule 402 (Nuisance) thereby keeping odor emissions to a less than

significant amount Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion.

During operation, the Project would have minimal long-term operational odor emissions associated with maintenance vehicular trips (e.g., work trucks). Maintenance trips would occur infrequently and would be limited in extent at any given time; thus, maintenance trips would not cause a significant emission of odors associated with diesel exhaust. The Project would operate underground and would not emit odors during normal operations. Therefore, operation of the Project would result in less than significant impact under this criterion.

#### 4.4 Biological Resources

The Biological Resources section analyzes the potential impact of the Project on wildlife and plant resources within the Project area. The Project is primarily located within and/or beneath existing roadway, and within adjacent developed/landscaped areas (e.g., medians), next to existing commercial, industrial, recreational, and residential uses.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>IV. BIOLOGICAL RESOURCES.</b> Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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 Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### Impacts Analysis

- a) **Less than Significant Impact with Mitigation Incorporated.** A search of the Information for Planning and Consultation (IPaC) system (U.S. Fish and Wildlife Service [USFWS], 2023) was conducted for the Project area on December 4, 2023. The search was generated to identify a list of species and critical habitat under

the USFWS jurisdiction that are known or have potential to be located within or near the Project area. A copy of the IPaC search is provided in Appendix B and the results are summarized in Table 6. No field visit or biological survey was conducted for the project area.

A schedule of the typical breeding seasons for migratory birds listed in Table 6 is provided in Table 7.

**Table 6. Summary of IPaC Search Results – Species and Critical Habitat**

Resource	Scientific Name	Status	Additional Information
<b>USFWS SPECIES</b>			
<b>Special Status Mammals</b>			
<b>Pacific Pocket Mouse</b>	<i>Perognathus longimembris pacificus</i>	Federal – Endangered	No critical habitat has been designated for this species.  Due to the heavily urbanized environment surrounding the Project, no coastal sage scrub vegetation is present. Therefore, no suitable habitat is located within the Project area.
<b>Special Status Birds</b>			
<b>California Least Tern</b>	<i>Sterna antillarum browni</i>	Federal – Endangered	No critical habitat has been designated for this species.  Due to the heavily urbanized environment surrounding the Project, no sandy ocean beaches or mud and sand flats are present. Therefore, no suitable habitat is located within the Project area.
<b>Coastal California Gnatcatcher</b>	<i>Polioptila californica californica</i>	Federal – Threatened	Final critical habitat has been designated for this species. However, the Project area is outside of the critical habitat.  Due to the heavily urbanized environment surrounding the Project, no coastal sage scrub vegetation is present. Therefore, no suitable habitat is located within the Project area.
<b>Southwestern Willow Flycatcher</b>	<i>Empidonax traillii extimus</i>	Federal – Endangered	Final critical habitat has been designated for this species. However, the Project area is outside of the critical habitat.  Due to the heavily urbanized environment surrounding the Project, no dense riparian habitat

Resource	Scientific Name	Status	Additional Information
			is present. Therefore, no suitable habitat is located within the Project area.
<b>Western Snowy Plover</b>	<i>Charadrius nivosus nivosus</i>	Federal – Threatened	Final critical habitat has been designated for this species. However, the Project area is outside of the critical habitat.  Due to the heavily urbanized environment surrounding the Project, no barren or sparsely vegetated sand beaches, salt flats, or dunes are present. Therefore, no suitable habitat is located within the Project area.
<b>Special Status Reptiles</b>			
<b>Southwestern Pond Turtle</b>	<i>Actinemys pallida</i>	Federal – Proposed Threatened	No critical habitat has been designated for this species.  The only water source in the Project area is the San Gabriel River. However, the San Gabriel River does not provide the necessary aquatic habitat conditions required by the southwestern pond turtle such as basking and shelter sites (i.e., floating and submerged aquatic vegetation, undercut banks, and logs). Therefore, suitable habitat is not located within the Project area.
<b>Special Status Insects</b>			
<b>Monarch butterfly</b>	<i>Danaus plexippus</i>	Federal – Candidate	No critical habitat has been designated for this species.  Suitable roost sites such as large eucalyptus ( <i>Eucalyptus spp.</i> ) trees are present within the Project area. Therefore, suitable habitat is located within the Project area.
<b>Special Status Plants</b>			

Resource	Scientific Name	Status	Additional Information
<b>Salt Marsh Bird's-beak</b>	<i>Cordylanthus maritimus maritimus</i>	Federal – Endangered	No critical habitat has been designated for this species.  Due to the heavily urbanized environment surrounding the Project, no tidal marsh habitats are present. Therefore, no suitable habitat is located within the Project area.
<b>Ventura Marsh Milk-vetch</b>	<i>Astragalus pycnostachyus lanosissimus</i>	Federal – Endangered	Final critical habitat has been designated for this species. However, the Project area is outside of the critical habitat.  Due to the heavily urbanized environment surrounding the Project, no marsh or swamp habitats are present. Therefore, no suitable habitat is located within the Project area.
<b>Migratory Birds</b>			
<b>Allen's Hummingbird</b>	<i>Selasphorus sasin</i>	Federal – BCC Rangewide (CON)	Breeds February 1 to July 15
<b>Bald Eagle</b>	<i>Haliaeetus leucocephalus</i>	Federal – Non-BCC Vulnerable	Breeds January 1 to August 31
<b>Belding's Savannah Sparrow</b>	<i>Passerculus sandwichensis beldingi</i>	Federal – BCC – BCR	Breeds April 1 to August 15
<b>Black Oystercatcher</b>	<i>Haematopus bachmani</i>	Federal – BCC Rangewide (CON)	Breeds April 15 to October 31
<b>Black Skimmer</b>	<i>Rynchops niger</i>	Federal – BCC Rangewide (CON)	Breeds May 20 to September 15
<b>Black Turnstone</b>	<i>Arenaria melanocephala</i>	Federal – BCC Rangewide (CON)	Breeds elsewhere
<b>Bullock's Oriole</b>	<i>Icterus bullockii</i>	Federal – BCC Rangewide (CON)	Breeds March 21 to July 25
<b>California Gull</b>	<i>Larus californicus</i>	Federal – BCC Rangewide (CON)	Breeds March 1 to July 31
<b>California Thrasher</b>	<i>Toxostoma redivivum</i>	Federal – BCC Rangewide (CON)	Breeds January 1 to July 31
<b>Clark's Grebe</b>	<i>Aechmophorus clarkii</i>	Federal – BCC Rangewide (CON)	Breeds June 1 to August 31
<b>Common Yellowthroat</b>	<i>Geothlypis trichas sinuosa</i>	Federal – BCC – BCR	Breeds May 20 to July 31
<b>Lawrence's Goldfinch</b>	<i>Carduelis lawrencei</i>	Federal – BCC Rangewide (CON)	Breeds March 20 to September 20

Resource	Scientific Name	Status	Additional Information
Marbled Godwit	<i>Limosa fedoa</i>	Federal – BCC Rangewide (CON)	Breeds elsewhere
Nuttall’s Woodpecker	<i>Picoides nuttalli</i>	Federal – BCC – BCR	Breeds April 1 to July 20
Olive-sided Flycatcher	<i>Contopus cooperi</i>	Federal – BCC Rangewide (CON)	Breeds May 20 to August 31
Short-billed Dowitcher	<i>Limnodromus griseus</i>	Federal – BCC Rangewide (CON)	Breeds elsewhere
Western Grebe	<i>Aechmophorus occidentalis</i>	Federal – BCC Rangewide (CON)	Breeds June 1 to August 31
Willet	<i>Tringa semipalmata</i>	Federal – BCC Rangewide (CON)	Breeds elsewhere
<b>USFWS CRITICAL HABITAT</b>			
None listed	N/A	N/A	N/A

BCC = Bird of Conservation Concern

BCC Rangewide (CON) = BCC through its range in the continental USA and Alaska

BCC – BCR = BCC only in particular Bird Conservation Regions (BCR) in the continental US

Non-BCC – Vulnerable = Birds that are not BCC species, but appear on the list because of the Bald and Golden Eagle Protection Act or potential susceptibilities in offshore areas from certain types of development or activities (e.g., offshore energy development or longline fishing)

AZTEC Biologist provided assessment of species within “Additional Information” column of Table 6.

Source: USFWS, 2023.

The USFWS IPaC was reviewed to determine if federal Endangered Species Act (ESA)-listed plant and wildlife species have potential to occur in the Project area. In total, nine ESA-listed species were identified including one Candidate for listing under the ESA, one species proposed as Threatened, two species that are listed as Threatened, and five species that are listed as Endangered. Additionally, of the nine ESA-listed species identified in the IPaC search, one species (monarch butterfly) has potential suitable habitat within the Project area. No critical habitat was identified in the IPaC in the search area.

Along the California coast, overwintering monarch butterflies roost in large trees including, but not limited to, blue gum eucalyptus (*Eucalyptus globulus*), Monterey pine (*Pinus radiata*), and Monterey cypress (*Hesperocyparis macrocarpa*) (USFWS, 2020). In addition, adult monarchs use a wide variety of flowering plants as nectar sources throughout migration and breeding. Suitable roosting habitat and nectar sources are located within the Project area due to the presence of flowering landscaped vegetation and large, landscaped eucalyptus trees between SR 22 and College Park Drive at the southern limits of the Project alignment. Minor vegetation removal, including removal of one eucalyptus tree, is anticipated at the southern limits of the Project alignment within the City of Seal Beach. Due to ample amounts of suitable roosting trees and nectar sources in the surrounding vicinity, construction of the Project would have a less than significant impact on the monarch butterfly.

In total, 14 migratory birds identified in the IPaC search have potential to nest in the Project area between January 1 and October 31 (Table 7). During construction, the Project would install a recycled water pipeline within and adjacent to existing paved surfaces. Minor ground disturbance to unpaved surfaces are anticipated and vegetation removal would be minor. If nesting migratory birds are present within the footprint of the Project during vegetation removal activities, they may be impacted. Therefore, the Project would implement mitigation to avoid impacts to nesting migratory birds. Implementation of MM BIO-1 would reduce potential impacts to nesting migratory birds to less than significant.

A search of the California Natural Diversity Database (CNDDDB) system was conducted for the U.S. Geological Survey (USGS) Los Alamitos 7.5-minute quadrangle (1:24,000), in which the Project area is located, on December 6, 2023. The search was generated to identify species under the California Department of Fish and Wildlife (CDFW) jurisdiction that are known or have potential to be located within or near the Project area (Appendix C). The results of the search are summarized in Table 8.

The CNDDDB species list was reviewed to determine if state special status plant and wildlife species have potential to occur within the Project area. In total, 39 special status species were identified including 5 reptiles and amphibians, 8 birds, 7 insects, 5 mammals, and 14 plants. Of the 39 species listed, 3 species have potentially suitable habitat within the Project area. Special status species with potential suitable habitat in the Project area include burrowing owl (CDFW status: Special Species of Concern), crotch bumble bee (State Status: Candidate Endangered), and monarch butterfly (Federal Status: Candidate) (discussed above).

Burrowing owls often inhabit landscapes highly altered by human activity such as agricultural areas, along roadsides and water conveyance structures, and within urban parks (Shuford and Gardali, 2008). No burrowing owl surveys were conducted for the Project; however, a biologist reviewed aerial and street view imagery of the Project area for the presence of suitable habitat. The southern limits of the Project area does contain suitable habitat for the burrowing owl in the form of a landscaped area between College Park Drive and SR 22 and an open, bare ground lot south of SR 22 (Seal Beach). Minor ground disturbance to unpaved surfaces would result from installing the RW pipeline from where the Project alignment extends south of College Park Drive (Seal Beach). If burrowing owls are present within the Project footprint during active construction, they may be impacted by ground disturbing activities. Therefore, the Project would implement mitigation measures in order to avoid impacts to burrowing owls. Implementation of MM BIO-2 and MM BIO-3 would reduce potential impacts to the burrowing owl to less than significant. Implementation of MM BIO-2 requires that a qualified biologist conduct breeding season burrowing owl surveys, while MM BIO-3 requires that an Impact Assessment and Burrowing Owl Mitigation Plan be prepared if burrowing owls are detected during the Project's survey efforts. Implementation of these MMs would reduce impacts to burrowing owls by identifying if owls are occupying the construction limits and if so, construction activities can avoid the owl(s) entirely or the owl(s) can be relocated out of harms way.

As with most bumble bee species, the crotch bumble bee depends on a variety of flowering plants for nectar and pollen, and they nest and overwinter underground. The Project area does contain a variety of flowering landscaped plants that provide suitable nectar and pollen sources for the species. Additionally, exposed bare ground surfaces that may provide suitable nesting or overwintering habitat for the crotch bumble bee are present within the southern limits of the Project footprint. However, construction and operation of the Project would result in minimal disturbances to unpaved ground surfaces and landscaped vegetation since this area will be restored to pre-construction conditions. Therefore, construction of the Project would result in a less than significant impact on the crotch bumble bee.

**Table 7. Breeding Seasons for Migratory Birds with Potential to Occur in Project Area**

Species – Common Name (Breeding Season in Project Area)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
<b>Allen’s Hummingbird</b> (February 1 – July 15)		Feb 1					Jul 15					
<b>Bald Eagle</b> (January 1 – August 31)	Jan 1							Aug 31				
<b>Belding’s Savannah Sparrow</b> (April 1 to August 15)				Apr 1				Aug 15				
<b>Black Oystercatcher</b> (April 15 to October 31)				Apr 15						Oct 31		
<b>Black Skimmer</b> (May 20 to September 15)					May 20				Sep 15			
<b>Black Turnstone</b> (Breeds Elsewhere)												
<b>Bullock’s Oriole</b> (March 21 to July 25)			Mar 21				Jul 25					
<b>California Gull</b> (March 1 to July 31)			Mar 1				Jul 31					
<b>California Thrasher</b> (January 1 to July 31)	Jan 1						Jul 31					
<b>Clark’s Grebe</b> (June 1 to August 31)						Jun 1		Aug 31				
<b>Common Yellowthroat</b> (May 20 to July 31)					May 20		Jul 31					
<b>Lawrence’s Goldfinch</b> (March 20 to September 20)			Mar 20						Sep 20			
<b>Marbled Godwit</b> (Breeds Elsewhere)												
<b>Nuttall’s Woodpecker</b> (April 1 to July 20)				Apr 1			Jul 20					
<b>Olive-sided Flycatcher</b> (May 20 to August 31)					May 20			Aug 31				
<b>Short-billed Dowitcher</b> (Breeds Elsewhere)												
<b>Western Grebe</b>						Jun 1						

Species – Common Name (Breeding Season in Project Area)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
(June 1 to August 31)								Aug 31				
<b>Willet</b> (Breeds Elsewhere)												
<b>May Breed in Project Area – Day 1 – 15 each month</b>												
<b>May Breed in Project Area – Day 16 – 31 each month</b>												
<b>Breeds Elsewhere</b>												

Source: USFWS, 2022.

**Table 8. Summary of CNDDDB Search Results – Species**

Species - Common Name	Scientific Name	Status - Federal and State	Status - Other	Additional Information (Source Included if not provided in CNDDDB Results [12/06/2023])
<b>Reptiles / Amphibians</b>				
<b>Western Spadefoot</b>	<i>Spea hammondi</i>	Federal – None State – None	CDFW_SSC BLM_S IUCN_NT	<b>Habitat:</b> Cismontane woodland, Coastal scrub, Valley and foothill grassland, Vernal pool, Wetland.  No suitable habitat is located within the Project area.
<b>Southern California Legless Lizard</b>	<i>Anniella stebbinsi</i>	Federal – None State – None	CDFW_SSC USFS_S	<b>Habitat:</b> Broadleaved upland forest, Chaparral, Coastal Dunes, Coastal scrub.  No suitable habitat is located within the Project area.
<b>Green Turtle</b>	<i>Chelonia mydas</i>	Federal – Threatened State – None	IUCN_EN	<b>Habitat:</b> Marine bay.  No suitable habitat is located within the Project area.
<b>Western Pond Turtle</b>	<i>Emys marmorata</i>	Federal – Proposed Threatened State – None	CDFW_SSC BLM_S USFS_S IUCN_VU	<b>Habitat:</b> Aquatic, Artificial flowing waters, Klamath/North coast flowing waters, Klamath/North coast standing waters, Marsh and swamp, Sacramento/San Joaquin flowing waters, South coast flowing waters, South coast standing waters, Wetland.  No suitable habitat is located within the Project area.

Species - Common Name	Scientific Name	Status - Federal and State	Status - Other	Additional Information (Source Included if not provided in CNDDB Results [12/06/2023])
<b>Coast Horned Lizard</b>	<i>Phrynosoma blainvillii</i>	Federal – None State – None	CDFW_SSC BLM_S IUCN_LC	<b>Habitat:</b> Chaparral, Cismontane woodland, Coastal bluff scrub, Coastal scrub, Desert wash, Pinyon and juniper woodland, Riparian scrub, Riparian woodland, Valley and foothill grassland.  No suitable habitat is located within the Project area.
<b>Birds</b>				
<b>Tricolored Blackbird</b>	<i>Agelaius tricolor</i>	Federal – None State – Threatened	CDFW_SSC BLM_S NABCI_RWL USFWS_BCC IUCN_EN	<b>Habitat:</b> Freshwater marsh, Marsh and swamp, Swamp, Wetland.  No suitable habitat is located within the Project area.
<b>Burrowing Owl</b>	<i>Athene cunicularia</i>	Federal – None State – None	CDFW_SSC BLM_S USFWS_BCC IUCN_LC	<b>Habitat:</b> Coastal prairie, Coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley and foothill grassland.  Burrowing owls often inhabit landscapes highly altered by human activity such as agricultural areas, along roadsides and water conveyance structures, and within urban parks (Shuford and Gardali, 2008).  Due to the presence of open, landscaped areas at the southern limits of the Project alignment, suitable habitat is located within the Project area.
<b>Ferruginous Hawk</b>	<i>Buteo regalis</i>	Federal – None State – None	CDFW_WL IUCN_LC	<b>Habitat:</b> Great Basin grassland, Great Basin scrub, Pinyon and juniper woodland, Valley and foothill grassland.  No suitable habitat is located within the Project area.
<b>Swainson’s Hawk</b>	<i>Buteo swainsoni</i>	Federal – None State – Threatened	BLM_S IUCN_LC	<b>Habitat:</b> Great Basin grassland, Riparian forest, Riparian woodland, Valley and foothill grassland.  No suitable habitat is located within the Project area.

Species - Common Name	Scientific Name	Status - Federal and State	Status - Other	Additional Information (Source Included if not provided in CNDDDB Results [12/06/2023])
<b>Western Yellow-billed Cuckoo</b>	<i>Coccyzus americanus occidentalis</i>	Federal – Threatened State – Endangered	BLM_S USFS_S	<b>Habitat:</b> Riparian forest.  No suitable habitat is located within the Project area.
<b>Belding’s Savannah Sparrow</b>	<i>Passerculus sandwichensis beldingi</i>	Federal – None State – Endangered	USFWS_BCC	<b>Habitat:</b> Marsh and swamp, Wetland.  No suitable habitat is located within the Project area.
<b>California Least Tern</b>	<i>Sternula antillarum browni</i>	Federal – Endangered State – Endangered	CDFW_FP	<b>Habitat:</b> Alkali playa, Wetland.  No suitable habitat is located within the Project area.
<b>Least Bell’s Vireo</b>	<i>Vireo bellii pusillus</i>	Federal – Endangered State – Endangered	None	<b>Habitat:</b> Riparian forest, Riparian scrub, Riparian woodland.  No suitable habitat is located within the Project area.
<b>Insects</b>				
<b>Crotch Bumble Bee</b>	<i>Bombus crotchii</i>	Federal – None State – Candidate Endangered	IUCN_EN	<b>Habitat:</b> Open grassland and scrub. Crotch bumble bees are known to visit a wide variety of flowering plants as nectar sources (Xerces Society, 2018).  Due to the presence of a variety of landscaped flowering plants along the Project alignment, suitable habitat is located within the Project area.
<b>Sandy Beach Tiger Beetle</b>	<i>Cicindela hirticollis gravida</i>	Federal – None State – None	None	<b>Habitat:</b> Coastal dunes.  No suitable habitat is located within the Project area.
<b>Western Beach Tiger Beetle</b>	<i>Cicindela latesignata</i>	Federal – None State – None	None	<b>Habitat:</b> Estuary, Mud shore/flats, Salt marsh, Sand shore.  No suitable habitat is located within the Project area.
<b>Senile Tiger Beetle</b>	<i>Cicindela senillis frosti</i>	Federal – None State – None	None	<b>Habitat:</b> Mud shore/flats, Wetland.  No suitable habitat is located within the Project area.

Species - Common Name	Scientific Name	Status - Federal and State	Status - Other	Additional Information (Source Included if not provided in CNDDB Results [12/06/2023])
<b>Western Tidal-flat Tiger Beetles</b>	<i>Habroscelimorpha gabbi</i>	Federal – None State – None	None	<b>Habitat:</b> Estuary, Mud shore/flats.  No suitable habitat is located within the Project area.
<b>Monarch Butterfly (California Overwintering Population)</b>	<i>Danaus plexippus plexippus</i>	Federal – Candidate State – None	USFS_S IUCN_EN	<b>Habitat:</b> Closed-cone coniferous forest.  Along the California coast, overwintering monarch butterflies roost in large trees including, but not limited to, blue gum eucalyptus ( <i>Eucalyptus globulus</i> ), Monterey pine ( <i>Pinus radiata</i> ), and Monterey cypress ( <i>Hesperocyparis macrocarpa</i> ) (USFWS, 2020).  Suitable roosting habitat is located within the Project area due to the presence of large, landscaped Eucalyptus ( <i>Eucalyptus spp.</i> ) trees between State Route (SR) 22 and Campus Drive at the southern limits of the Project alignment.
<b>Mammals</b>				
<b>Western Mastiff Bat</b>	<i>Eumops perotis californicus</i>	Federal – None State – None	CDFW_SSC BLM_S	<b>Habitat:</b> Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland.  No suitable habitat is located within the Project area.
<b>Silver-haired Bat</b>	<i>Lasionycteris noctivagans</i>	Federal – None State – None	IUCN_LC	<b>Habitat:</b> Lower montane coniferous forest, Oldgrowth, Riparian forest.  No suitable habitat is located within the Project area.
<b>Western Yellow Bat</b>	<i>Lasiurus xanthinus</i>	Federal – None State – None	CDFW_SSC IUCN_LC	<b>Habitat:</b> Desert wash.  No suitable habitat is located within the Project area.
<b>South Coast Marsh Vole</b>	<i>Microtus californicus stephensi</i>	Federal – None State – None	CDFW_SSC	<b>Habitat:</b> Tidal marsh (CNDDDB, 2007).  No suitable habitat is located within the Project area.
<b>Southern California Saltmarsh Shrew</b>	<i>Sorex ornatus salicornicus</i>	Federal – None State – None	CDFW_SSC	<b>Habitat:</b> Salt marsh.  No suitable habitat is located within the Project area.
<b>Plants</b>				

Species - Common Name	Scientific Name	Status - Federal and State	Status - Other	Additional Information (Source Included if not provided in CNDDDB Results [12/06/2023])
<b>Southern Tarplant</b>	<i>Centromadia parryi australis</i>	Federal – None State – None	SB_CalBG/RSAB G SB_CRES SB_SBBG	<b>Habitat:</b> Marsh and swamp, Salt marsh, Valley and foothill grassland, Vernal pool.  No suitable habitat is located within the Project area.
<b>Coulter’s Goldfields</b>	<i>Lasthenia glabrata coulteri</i>	Federal – None State – None	BLM_S SB_CalBG/RSAB G SB_SBBG	<b>Habitat:</b> Alkali playa, Marsh and swamp, Salt marsh, Vernal pool, Wetland.  No suitable habitat is located within the Project area.
<b>San Bernardino Aster</b>	<i>Symphyotrichum defoliatum</i>	Federal – None State – None	SB_CalBG/RSAB G SB_CRES USFS_S	<b>Habitat:</b> Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Marsh and Swamp, Meadow and seep, Valley and foothill grassland.  No suitable habitat is located within the Project area.
<b>Parish’s Brittnescale</b>	<i>Atriplex parishii</i>	Federal – None State – None	USFS_S SB_CRES	<b>Habitat:</b> Alkali playa, Chenopod scrub, Meadow and seep, Vernal pool, Wetland.  No suitable habitat is located within the Project area.
<b>Estuary Seablite</b>	<i>Suaeda esteroa</i>	Federal – None State – None	None	<b>Habitat:</b> Marsh and swamp, Salt marsh, Wetland.  No suitable habitat is located within the Project area.
<b>Lucky Morning-glory</b>	<i>Calystegia felix</i>	Federal – None State – None	None	<b>Habitat:</b> Meadow and seep, Riparian scrub  No suitable habitat is located within the Project area.
<b>Horn’s Milk-vetch</b>	<i>Astragalus hornii hornii</i>	Federal – None State – None	BLM_S	<b>Habitat:</b> Alkali playa, Meadow and seep, Wetland.  No suitable habitat is located within the Project area.
<b>Brand’s Star Phacelia</b>	<i>Phacelia stellaris</i>	Federal – None State – None	SB_CalBG/RSAB G	<b>Habitat:</b> Coastal dunes, Coastal scrub.  No suitable habitat is located within the Project area.
<b>Salt Spring Checkerbloom</b>	<i>Sidalcea neomexicana</i>	Federal – None State – None	USFS_S	<b>Habitat:</b> Alkali playa, Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Wetland.  No suitable habitat is located within the Project area.

Species - Common Name	Scientific Name	Status - Federal and State	Status - Other	Additional Information (Source Included if not provided in CNDDB Results [12/06/2023])
<b>Mud Nama</b>	<i>Nama stenocarpa</i>	Federal – None State – None	None	<b>Habitat:</b> Marsh and swamp, Wetland.  No suitable habitat is located within the Project area.
<b>Salt Marsh Birds-beak</b>	<i>Chloropyron maritimum maritimum</i>	Federal – Endangered State – Endangered	BLM_S SB_CalBG/RSAB G SB_SBBG SB_CRES	<b>Habitat:</b> Coastal dunes, Marsh and swamp, Salt marsh, Wetland.  No suitable habitat is located within the Project area.
<b>Coast Woolly-heads</b>	<i>Nemacaulis denudata denudata</i>	Federal – None State – None	SB_CalBG/RSAB G SB_CRES	<b>Habitat:</b> Coastal dunes.  No suitable habitat is located within the Project area.
<b>California Orcutt Grass</b>	<i>Orcuttia californica</i>	Federal – Endangered State - Endangered	SB_CalBG/RSAB G SB_CRES	<b>Habitat:</b> Vernal pool, Wetland  No suitable habitat is located within the Project area.
<b>Sanford’s Arrowhead</b>	<i>Sagittaria sanfordii</i>	Federal – None State - None	BLM_S	<b>Habitat:</b> Marsh and swamp, Wetland  No suitable habitat is located within the Project area.

BLM\_S = Sensitive; CDFW\_SSC = Species of Special Concern; USFS\_S = Sensitive; IUCN\_EN = Endangered; IUCN\_LC = Least Concern; IUCN\_NT = Near Threatened; IUCN\_VU = Vulnerable; USFWS\_BCC = Birds of Conservation Concern; SB\_CalBG/RSABG = California/Rancho Santa Ana Botanic Garden, SB\_CRES = San Diego Zoo CRES Native Gene Seed Bank, SB\_SBBG = Santa Barbara Botanic Garden; NABCI\_RWL = Red Watch List; NABCI\_YWL = Yellow Watch List

AZTEC Biologist provided assessment of species within “Additional Information” column of Table 8.

Source: CDFW, 2023.

## Biological Resources Mitigation Measures

**MM BIO-1: Vegetation Removal.** Vegetation removal activities will be scheduled outside of nesting bird (breeding) season for bird species known to occur within the Project area (October through December), if possible. If vegetation removal activities occur between January 1 and September 30, nesting bird surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if an active nest is present. Vegetation removal can occur once the nest is confirmed to be no longer active. If vegetation removal activities occur between September 16 and March 14, roosting monarch surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if monarch roosting sites are present. Vegetation removal can occur once a qualified biologist has confirmed that the overwintering monarchs have vacated the roosting site in the spring.

### MM BIO-2: Species Surveys.

- **Burrowing Owl.** A qualified biologist will be employed to conduct breeding season burrowing owl surveys. CDFW protocol states to conduct four survey visits: 1) at least one site visit between February 15 and April 15, and 2) a minimum of three survey visits, at least three weeks apart, between April 15 and July 15, with at least one visit after June 15, occurring in all suitable habitat for the burrowing owl. Surveys will be needed along the portion of the Project alignment in the City of Seal Beach, California and south of College Park Drive including the landscaped area within SR 22 ROW and the HGS property. If active burrows (occupied by burrowing owl[s]) are identified, no Project activities will take place within 200 feet of an active burrow (occupied by burrowing owl[s]).
- **Crotch's Bumble Bee.** Focused surveys for Crotch's bumble bee will be conducted prior to construction by a qualified entomologist. A minimum of three surveys will be needed throughout the entire Project site prior to construction and shall occur at least two to four weeks apart. If Crotch's bumble bee are detected, no work shall occur in that area until LBUD has coordinated with the CDFW to determine appropriate avoidance and minimization measures, and/or obtain necessary approvals. A qualified entomologist will be employed to complete a pre-construction survey for Crotch's bumble bee during the appropriate flying season (April – August). Pre-construction surveys will be conducted within 48 hours prior to initial ground disturbance and vegetation removal.
- **Monarch Butterfly.** Roosting monarch surveys will be conducted prior to construction by a qualified biologist. Surveys will be needed throughout the entire Project site. An overwintering grove habitat and impact assessment will be completed after the season appropriate surveys. If overwintering grove habitat is detected, no work shall occur in that area until LBUD has coordinated with the CDFW to determine appropriate avoidance and minimization measures, and/or obtain necessary approvals. If vegetation removal activities occur between September 16 and March 14, roosting monarch surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if monarch roosting sites are present. Vegetation removal can occur once a qualified biologist has confirmed that the overwintering monarchs have vacated the roosting site in the spring.

**MM BIO-3: Burrowing Owl Mitigation Plan.** If burrowing owls are detected during the project's survey efforts, the Project construction contractor shall prepare an Impact Assessment and Burrowing Owl Mitigation Plan in accordance with the 2012 Staff Report on Burrowing Owl Mitigation. The Project construction contractor shall contact CDFW to develop appropriate mitigation/management procedures. The Project construction contractor should submit a final Burrowing Owl Mitigation Plan to the City prior to the City issuing construction permits. No work should be conducted within the burrow until the offspring have fledged and left the burrow. Personnel working on the Project, including all contractors working on site, should be instructed on the presence of burrowing owls, restricted areas, and adherence to the buffer zone. No work should occur within the buffer zone. The specific buffer zone should be established in coordination with CDFW.

- b) **No Impact.** There is no riparian habitat, or other sensitive natural community identified in local, regional, state, or federal plans within the Project footprint. The Project crosses over the San Gabriel River via the College Park Drive bridge. No riparian vegetation is present along the San Gabriel River in the immediate vicinity of the Project footprint. Scattered patches of primarily non-native plant species such as fan palms (*Washingtonia spp.*), Brazilian pepper (*Schinus terebinthifolia*), and ngaio (*Myoporum laetum*) are present along the San Gabriel River upstream and downstream of the Project. During construction and operation, no riparian habitat or other sensitive natural community would be impacted as there is no riparian habitat or other sensitive community within the Project footprint. Therefore, construction and operation of the Project would result in no impact under this criterion.
- c) **Less Than Significant Impact.** The IPaC search included results from the National Wetland Inventory (NWI) and did not identify NWI mapped wetlands within the Project area. The nearest waterbody is the San Gabriel River and the river intersects the Project alignment where the river passes beneath the College Park Drive bridge. During construction and operation, Project activities would be limited to attaching the RW pipeline from the College Park Drive bridge over the San Gabriel River. While the pipe is being attached to the existing bridge, the contractor would employ methods to prevent material or debris from falling into the San Gabriel River; however, incidental debris may enter the watercourse however it is not intended to be significant and no mitigation is required beyond the methods employed by the contractor thus, a less than significant impact to the watercourse would occur during construction. However, operation of the Project would result in no impact under this criterion.
- d) **No Impact.** The majority of the area surrounding the Project is developed and includes residential, commercial, and industrial properties, as well as a dedicated recreational area (Edison Park, Seal Beach). The Project crosses the San Gabriel River via the College Park Drive Bridge, which is identified as an important riparian corridor by the 2010 California Essential Habitat Connectivity Project (Spencer et al., 2010). The San Gabriel River is used as a movement corridor in the vicinity of the Project alignment by a variety of aquatic and avian species. However, the Project would not interfere with the movement of resident or migratory fish or wildlife species, as the Project would attach the RW pipeline to the existing bridge over the San Gabriel River. The Project will implement MM BIO-1, BIO-2, and BIO-3 to minimize impacts to biological resources, and the contractor would employ methods to prevent material or debris from falling into the San Gabriel River during construction. Thus, Project activities would not impact the San Gabriel River. During construction and operation, the Project would occur within and adjacent to existing paved surfaces and landscaped areas surrounded by residential, commercial, industrial, and recreational land uses. Therefore, construction and operation of the Project would result in no impact under this criterion.
- e) **Less Than Significant Impact.** The cities of Long Beach and Seal Beach, California, are responsible for managing and maintaining the cities' trees in the Project area and, therefore, have certain policies pertaining to planting, trimming, and removing street trees. Both the Cities of Long Beach and Seal Beach have ordinances restricting tree removal unless permitted or approved by their respective Public Works Departments (LBMC Section 14.28; SBMC Section 9.4). During construction, the Project would possibly require minor vegetation removal including landscaped trees along public streets within the cities of Long Beach and Seal Beach. The Project would implement MM BIO-1, scheduling vegetation removal outside of the nesting bird season, to avoid impacts to nesting birds in the Project area. Therefore, upon receipt of a permit and/or approval from the cities, construction and operation of the Project would result in a less than significant impact under this criterion.
- f) **No Impact.** The Project is not located within the coverage area of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or approved local, regional, or state habitat conservation plan. During construction and operation, no conflicts would occur with the provisions of an adopted Habitat

Conservation Plan, Natural Community Conservation Plan, or approved local, regional, or state habitat conservation plan. Therefore, construction and operation of the Project would result in no impact under this criterion.

#### **4.5 Cultural Resources**

The Cultural Resources section analyzes impacts on archaeological and historical resources in the Project site. The Project site has been previously graded and developed to support the intersection and roadways, and adjacent residential, commercial, and industrial properties that currently exist.

AZTEC conducted background research for the Project. The research effort included a cultural resources records search and archival research, including review of the California Office of Historic Preservation, Built Environment Resource Directory (BERD), the California Register of Historical Resources (CRHR), and the National Register of Historic Places (NRHP). The records search was requested from the South Central Coastal Information Center at California State University, Fullerton, and was conducted for the Project site and a one-mile radius surrounding the Project (hereafter, the review area). The purpose of the records search was to identify previously recorded cultural resources and previously conducted cultural resource studies within the review area.

Results of the background research identified 155 previously recorded cultural resources and 85 previously conducted cultural resource studies within the review area (Appendix D, Figures D-1 and D-2). No cultural resources have been recorded within or directly adjacent to the Project area. The larger Project vicinity has been subjected to survey, testing/excavation, and limited construction monitoring; however, most of the proposed alignment to the north of East Anaheim Road has not been subjected to prior archaeological investigation, apart from a linear windshield survey that was conducted prior to proposed installation of a desalination transmission pipeline (LA-05215, Figure D-1).

Of the 155 previously recorded resources within the review area, 34 are prehistoric in age, 120 are historic in age, and one resource is considered multi-component in that it includes both prehistoric- and historic-era deposits. Human remains have been identified during previous construction monitoring and excavation efforts conducted at two of the prehistoric-era resources within the review area. Prehistoric resources within the review area include 3 discrete areas documented as the Gabrielino village of Puvunga (listed on the NRHP as the Puvunga Indian Village Sites, under all significance Criteria), 30 sites containing marine shell midden and/or deposits of artifacts (lithics, ceramics), and one isolated occurrence of marine shell and flaked stone debitage. Two of the previously identified marine shell middens were determined through testing and excavation to be natural in origin, and as such are not considered eligible for listing in the CRHR or the NRHP. Of the 28 remaining resources that contain artifact and/or midden deposits, two locations within the review area but outside the project footprint have been recommended as potentially eligible for listing on the CRHR and 26 have not been formally evaluated for listing in the CRHR or NRHP. The isolated occurrences identified within the review area are ineligible for listing in the CRHR or NRHP.

The single multi-component site within the review area contains a subsurface deposit of prehistoric habitation debris overlain by a deposit of historic-era artifacts; human remains associated with the prehistoric component of the site were encountered during prior testing and excavation. This site's CRHR and NRHP eligibility has not been evaluated.

Historic resources within the review area largely consist of in-use structures, including the Rancho Los Alamitos structural complex (construction date [c.d.] 1806-1968; listed on the NRHP under Criteria A, B, and C), the Alamitos Generating Station Fuel Oil Tank Farm (c.d. 1955-present; recommended as ineligible for listing in the CRHR but unevaluated for NRHP), the Long Beach Veteran's Medical Center and associated historic-era buildings (c.d. 1942; determined ineligible for listing in the NRHP but unevaluated for the CRHR or local register), 90 single-family residential structures (c.d. 1953-1965; all of which are ineligible for listing in the CRHR or NRHP), 6 multiple-family residential structures that have been determined as contributors to the NRHP-listed Leisure World National Register District (c.d. 1962-1965), a commercial structure constructed in 1961 (ineligible for listing in the CRHR or NRHP), an

electrical transmission tower (c.d. 1955; recommended ineligible for CRHR or NRHP listing), and a flood channel (Los Alamitos Channel) constructed in 1958 (recommended ineligible for CRHR or NRHP listing). In addition to in-use historic structures, 13 isolated historic artifacts (considered ineligible) and 5 historic refuse deposits have been documented within the review area. One of the refuse deposits remains unevaluated for the CRHR or NRHR, and the remaining four have been recommended ineligible for the NRHP but have not been evaluated for the CRHR. There are no historic bridges within the project area that have been determined eligible for CRHR or NRHP listing (Caltrans, 2015).

None of the structures located on the parcels adjacent to the Project Area are listed as historical structures by the City of Long Beach or the City of Seal Beach, and none are listed in the BERD, but historical aerial imagery indicates that the surrounding residential neighborhood was developed between 1953 and 1963.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>V. CULTURAL RESOURCES.</b> Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Impacts Analysis

- a) **No Impact.** As noted above, no historical properties (including bridges) or archaeological resources have been recorded within the Project area; however, a review of historic aerial imagery indicates that the surrounding residential neighborhood was developed between 1953 and 1963. Background research identified 90 contemporaneous single-family residential buildings recorded within the review area, however 76 of these were recommended ineligible for the California Register and the NRHP (individually, and as contributing elements to a District). Based on this, it is possible that there are undocumented historic properties situated along the Project alignment that have not been evaluated for CRHR or NRHP eligibility for listing on the CRHR and/or the NRHP; however, the Project would not impact nor cause a substantial adverse change in the significance of any undocumented historic properties that may be present along the proposed pipeline alignment.

During construction, ground disturbance would be limited to the extent of previous development within the paved roadway and would not impact existing residential structures or properties along the proposed alignment. Therefore, construction of the Project would result in no impact under this criterion. During operation, the pipeline would operate underground and normal operations would not generate ground disturbance nor would operations affect the visual environment in such a way that would detract from a property's historic significance. Therefore, operation of the Project would result in no impact under this criterion.

- b) **Less Than Significant Impact with Mitigation Incorporated.** The vast majority of the Project and the surrounding vicinity is completely developed, and historical aerial imagery indicates that areas of open ground within the Project alignment have been subjected to surface disturbances and grading. Ground disturbance below depths previously disturbed is not anticipated; however, only the southern portion of

the Project area has been investigated for the presence of archaeological resources, and those investigations did not entail subsurface inspection. Prior survey and previously conducted subsurface investigations (construction monitoring and testing/data recovery) to the west of the Project area have identified numerous shell middens and artifact scatters, including those documented as remnants of the Gabrielino village of Puvunga (P-19-000306) and were discussed during AB 52 consultation.

Given the lack of previously conducted investigations within the northern portion of the Project area (Figure D-1), the lack of visible ground surface during prior surveys, and the results of prior investigations in the nearby vicinity, there is a possibility that previously undocumented archaeological resources requiring mitigation may be encountered during construction. Implementation of MM CUL-1 and MM CUL-3 during construction would reduce the potential impacts to unanticipated archaeological resources to less than significant. Implementation of MM CUL-1 requires that a qualified archaeologist conduct trainings of construction staff regarding the avoidance and preservation, as well as the evaluation and treatment of archaeological resources during Project construction, while MM CUL-3 requires work to stop within 100 ft of identified archaeological resources during Project construction to avoid potential impact to identified resources. Implementation of these MMs would reduce the potential impacts to unanticipated archaeological resources by identifying any archaeological resources during construction and if so, to halt work of construction activities in the immediate area so next steps regarding the archaeological resources can be implemented. Therefore, construction of the Project would result in a less than significant impact with mitigation incorporated under this criterion. During operation, the pipeline would operate underground and normal operations would not generate ground disturbance. Therefore, operation of the Project would result in no impact under this criterion.

### **Cultural Resources Mitigation Measures**

**MM CUL-1: Retention of Qualified Archaeologist and Worker Training.** Prior to the issuance of a grading permit by the City of Long Beach, evidence shall be provided to the City and responsible agencies that a qualified archaeologist meeting the Secretary of the Interior's Standards for professional archaeology (U.S. Secretary of the Interior 2008) has been retained by the Applicant to conduct any required training, evaluation, or treatment of archaeological resources that might be encountered during implementation of the Project. As part of this, prior to the start of grading, the qualified archaeologist shall conduct cultural resources sensitivity training for all construction personnel. Construction personnel must be informed of the types of archaeological resources that may be encountered (both prehistoric and historical), and of the proper procedures to be enacted in the event of an inadvertent discovery of archaeological resources or human remains. The Applicant must ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance. This documentation shall be made available to the City upon request.

See Tribal Cultural Resources Section for additional mitigation measure requirements.

**MM CUL-2: Treatment of Human Remains.** In accordance with California Health and Safety Code Section 7050.5, if human remains are found, the Los Angeles County Coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains (100 feet or as determined by the project archaeologist) shall occur until the procedures set forth in this measure have been implemented. If the County Coroner determines that the remains are, or are believed to be, Native American, the Coroner shall notify the Native American Heritage Commission (NAHC) within 24 hours. In accordance with California PRC Section 5097.98, the NAHC must immediately notify those persons it believes to be the Most Likely Descendant (MLD) from the deceased Native American. The MLD shall complete their inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition of the human remains.

See Tribal Cultural Resources Section for additional mitigation measure requirements.

- c) **Less Than Significant Impact with Mitigation Incorporated.** The Project would not occur near previously discovered or known cemeteries or burial grounds. The results of previous investigations in the vicinity indicate that the Project would not knowingly disturb any human remains, including those interred outside of dedicated cemeteries. While a majority of the southern extent of the Project area has been covered by previous archaeological survey, the surveys were conducted after the area had been subjected to modern development, and only one archaeological study has been conducted within the northern extent of the Project area. Previously conducted subsurface investigations within the review area occurred at two of the locations associated with the Gabrielino village of Puvunga. This indicates that there is a possibility for unknown human remains to be discovered within the Project Area during construction.

During construction, ground disturbance would be limited to the existing roadway along portions of Atherton Street, Studebaker Frontage Road, Studebaker Road, College Park Drive, and beneath the SR 22 ROW. Ground disturbance would be constrained to the horizontal limits of previously graded and developed lands or would not result in ground disturbance (as with the segment along the College Park Bridge, which would be attached to the north side of the existing bridge structure). Implementation of MM CUL-2 during construction would reduce the potential impacts to undiscovered human remains to less than significant. Implementation of MM CUL-2 requires work to stop within 100 ft of discovered human remains during Project construction. Implementation of this MM would reduce the potential impacts to human remains by halting work of construction activities in the immediate area. Next steps would be implemented regarding the human remains and further impacts would be avoided. Therefore, construction of the Project would result in a less than significant impact with mitigation incorporated under this criterion. During operation, the pipeline would operate underground and normal operations would not generate new ground disturbance. Therefore, operation of the Project would result in no impact under this criterion.

#### **Cultural Resources Mitigation Measure**

**MM CUL-3: Archaeological Resource and/or Tribal Cultural Resource Discovery and Treatment.** In the event of the unanticipated discovery of archaeological or other cultural resources, whether discovered through Native American monitoring or not, all work activities in the area (within approximately 100 feet of the discovery) shall be halted or redirected until the discovery can be evaluated by a qualified archaeologist. Construction shall not resume until a qualified archaeologist has conferred with the City and responsible agencies and, in the case of prehistoric archaeological resources and tribal cultural resources, the Native American monitor, on the significance of the resource. If it is determined that the discovered archaeological resource and/or tribal cultural resource is significant under CEQA, avoidance and preservation in place shall be the preferred manner of mitigation, pursuant to PRC Section 21083.2(b) and Section 21084.3. Preservation in place may be accomplished by, but is not limited to, avoidance, incorporating the resource into open space, capping, or deeding the site into a permanent conservation easement. In the event that preservation in place is demonstrated to be infeasible and data recovery through excavation is the only feasible mitigation available, a Treatment Plan shall be prepared and implemented by a qualified archaeologist, in consultation with the City, that provides for the adequate recovery of the scientifically consequential information contained in the archaeological resource or cultural information in the event of a tribal cultural resource. The City shall also consult with appropriate Native American representatives in determining treatment for prehistoric or Native American resources to ensure cultural values ascribed to the resources, beyond those that are scientifically important, are considered. Any evaluation and treatment shall be supervised by an individual or individuals that meet the Secretary of the Interior's Professional Qualification Standards.

See Tribal Cultural Resources Section for additional mitigation measure requirements.

## 4.6 Energy

The Energy section evaluates the potential impacts of Project on energy consumption and plans for renewable energy and energy efficiency.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>VI. ENERGY.</b> 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Impacts Analysis

- a) **Less Than Significant Impact.** Construction of the Project would involve consumption of fossil fuels and electricity; however, this would be a temporary impact. Operation of the Project would not use of fossil fuels and electricity as the recycled water would flow under the influence of gravity. Maintenance of the Project would require minor consumption of fossil fuels and electricity. The proposed Project would not result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during proposed Project construction or operation. Therefore, construction and operation of the Project would result in less than significant impact under this criterion.
- b) **No Impact.** The Project is installation of a RW pipeline and would not conflict with or obstruct a state or local plan for renewable energy or efficiency in the cities of Long Beach and Seal Beach. Therefore, construction and operation of the Project would result in no impact under this criterion.

## 4.7 Geology and Soils

The Geology and Soils section evaluates the potential impacts of Southern California’s seismic events on the Project.

Issues	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>VII. GEOLOGY AND SOILS.</b> Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Impacts Analysis

- a) **Less Than Significant Impact.** See discussions below.
- i) **No Impact.** The cities of Long Beach and Seal Beach, as well as all of Southern California, are impacted by earthquake faults that exist across the region. The most significant fault in the Project area is the Newport-Inglewood Fault Zone that trends northwest to southeast, running approximately parallel to the coastline, in both cities. The nearest point of the Newport-Inglewood Fault Zone is located approximately 0.7 miles southwest of the Project area. The Newport-Inglewood Fault Zone includes an Alquist-Priolo Special Studies Zone, which is located approximately 0.9 miles southwest of the Project area. The Reservoir Hill Fault, which also trends northwest to southeast, is located approximately 1 mile southwest of the Project area. Additionally, the Los Alamitos Fault, which also trends northwest to southeast, is located approximately 1.2 miles northeast of the Project area. No known faults cross the Project area (City of Long Beach, 2015a).

The Project is a recycled water pipeline and would not be inhabited. No Project elements would be located within an Alquist-Priolo Fault Zone or immediately adjacent to a known fault. Additionally, no known faults cross the Project site. Before construction standard practices require the preparation of site-specific geotechnical investigations and incorporation of structural recommendations into facility design to reduce the potential for seismic hazards to affect the integrity of project elements. Therefore, the Project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving and would result in no impact under this criterion.

- ii) **No Impact.** Potential for strong seismic ground shaking from known faults in the southern California region may occur in the Project area. The Project would be susceptible to ground shaking; however, the Project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving and would result no impact under this criterion.
- iii) **Less Than Significant Impact.** The Project area is located in a liquefaction zone as mapped in the GIS figure titled City of Long Beach Liquefaction Zones of Required Investigation (City of Long Beach, 2015b). While the geologic unit (Qol – Overbank levee deposits [Holocene and Pleistocene]) in the proposed Project area contain deposits of mud and sand (USGS and Association of American State Geologists, 2013; Saucedo, et al, 2016) the proposed Project does not include the construction of occupied structures. Additionally, compliance with General Plan Goals and Policies, as well as with existing building codes and regulations, would ensure that potential impacts from liquefaction would be less than significant. Therefore, seismic-related ground failure, including liquefaction potential, related to the proposed Project would be less than significant under this criterion.
- iv) **No Impact.** The majority of the Project footprint is paved and not located on a hill or slope, and no landslides are mapped in the vicinity (Saucedo, et al, 2016). Therefore, construction and operation of the Project would result in no impact under this criterion.
- b) **No Impact.** The majority of the Project footprint is paved and required measures would be implemented to prevent soil erosion during construction (e.g., Project Stormwater Pollution Prevention Plan best management practices [BMPs]). During operation, the pipeline would be located beneath the ground surface. Therefore, construction and operation of the Project would result in no impact under this criterion. The project will be required to meet the Construction General Permit (CGP) and therefore, will be entered into the Stormwater Multiple Application and Report Tracking System (SMARTS) and receive a WDID number for the project as it is considered a Type 2 LUP.
- c) **No Impact.** The Project vicinity is considered to be at risk for liquefaction, but not for landslide activity. The Project footprint is paved and basically level. Therefore, the Project is not located on a geologic unit or soil that is unstable, or that would become unstable as a result of the proposed Project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse. Therefore, construction and operation of the Project would result in no impact under this criterion. All of these geotechnical considerations have been addressed in the Project Geotechnical Report and Analysis.
- d) **No Impact.** The proposed Project is not located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), that would create substantial direct or indirect risks to life or property impacts related to expansive soils. Therefore, the proposed Project would result in no impact under this criterion.
- e) **No Impact.** The proposed Project would not use or construct septic tanks in the proposed Project area. Sewer systems connected to the cities' sewer system already exist in the proposed Project area and serve adjacent commercial and residential buildings. The proposed Project would not overlay 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. Therefore, the proposed Project would result in no impact under this criterion.

- f) **Less Than Significant Impact with Mitigation Incorporated.** A review of published CEQA documentation for two previously approved projects within the City of Long Beach was conducted as part of preparing this analysis, and excerpts are as follows.

The San Gabriel River (SGR) Master Plan Final Program Environmental Impact Report (EIR) (Los Angeles County, 2006), page 4.3-16 9, does not include MMs for Paleontology. The SGR Master Plan Final EIR states:

“The geology of the Master Plan study area [including the portion of the San Gabriel River between the confluence with Coyote Creek and the Pacific Ocean] consists primarily of recent, unconsolidated alluvial materials deposited by the San Gabriel River, which have low probability of containing paleontological resources (e.g., skeletal remains, fossils). Therefore, paleontological resources are unlikely to occur in the Master Plan study area” (page 4.3-7).

The CAL Water Well and Water Treatment Plant Project (City of Long Beach, California, 2021) Attachment C - Cultural/Paleontological Resources Report includes a list of the closest known fossil localities near the Project in the collection of the Natural History Museum of Los Angeles County. The list identifies fossil localities in “Pleistocene unknown formation” at depths from 5 feet below ground surface (bgs) to 735 ft bgs, with one locality identified in “Pleistocene unknown formation” with a depth listed as “unknown”. The CAL Water Well and Water Treatment Plan Project site is located approximately 7.5 miles north-northwest of the Hayne Generating Station Project area.

The Pleistocene to Holocene-aged overbank levee deposits (Qol) geologic unit is mapped throughout the Project area and is composed of mud and sand (Saucedo, et al, 2016). The Qol geologic unit in the vicinity of the Project area has been previously disturbed by road construction and paving activities, with some minor areas disturbed during landscape installation.

Based on review of the San Gabriel River Master Plan Final Program EIR and the CAL Water Well and Water Treatment Plan Project Initial Study/Mitigated Negative Declaration Paleontological Record Search Results (Los Angeles County, 2006), the potential exists for paleontological resources to be present below ground surface. Therefore, the unanticipated discovery of paleontological resources during proposed Project-related ground disturbance is a possibility.

Impacts would be avoided or minimized through implementation MM GEO-1 for inadvertent discovery of archaeological or paleontological resources during earth moving activities. Therefore, construction and operation of the Project would result in less than significant impacts under this criterion.

#### **Geology and Soils Mitigation Measure**

**MM GEO-1: Paleontological Resources Inadvertent Discovery.** In the event paleontological resources are encountered during the course of ground disturbing activities, all such activities shall halt immediately. The applicant shall immediately notify the cities of Long Beach and/or Seal Beach and consult with a qualified paleontologist to assess the significance of the find.

The paleontological assessment shall be completed in accordance with the Society of Vertebrate Paleontology standards. If the find is identified as insignificant, no additional measures will be necessary. If the find is determined to be significant, appropriate avoidance measures recommended by the qualified paleontologist and approved by the cities of Long Beach and/or Seal Beach must be followed unless avoidance is determined infeasible. If avoidance is infeasible, other appropriate measures (e.g., data recovery, excavation, curation) as recommended by the qualified paleontologist shall be instituted.

A qualified professional paleontologist is a professional with a graduate degree in paleontology, geology, or related field, with demonstrated experience in the vertebrate, invertebrate, or botanical paleontology of California, as well as at least one year full time professional experience, or equivalent specialized training in paleontological research (i.e., the identification of fossil deposits, application of paleontological field and

laboratory procedures and techniques, and curation of fossil specimens), and at least 4 months of supervised field and analytic experience in general North American paleontology.

#### 4.8 Greenhouse Gas Emissions

The information and analysis presented in this greenhouse gas emissions section is based on the Air Quality and GHG Technical Memorandum prepared by AZTEC Engineering Group, Inc. (Appendix A) for the Project.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>VIII. GREENHOUSE GAS EMISSIONS.</b> Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### Impacts Analysis

- a) **Less Than Significant Impact.** The analysis of GHG emissions for the Project is an aggregate quantity requiring summation over the total estimated number of work days (i.e., the total number of days that any construction grading vehicle would have an engine running). Construction of the Project would result in temporary emissions associated with diesel engine combustion from mass grading, and site preparation construction equipment would be assumed to occur for engines running at the correct fuel-to-air ratios (the ratio whereby complete combustion of the diesel fuel occurs).

Construction-related GHG emissions include site preparation, excavation, and associated construction of the proposed RW pipeline. Utilizing the CalEEMod model, CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O and CO<sub>2</sub>e emissions were evaluated for construction and operation of the Project. Modeling results are shown in greater detail within Appendix A. The results of the CalEEMod model for construction of the Project are shown in Table 9 below.

For the purposes of this analysis, both direct and indirect GHG emissions from the Project are discussed in the context of the SCAQMD’s 10,000 metric ton (MT) threshold levels (SCAQMD, 2023b) and the goals outlined in the City of Long Beach’s Climate Action Plan (CAP) (City of Long Beach, 2022). A Project would be considered not significant if the GHG emissions are less than the SCAQMD threshold and in line with the City of Long Beach’s CAP. In 2022, the City of Long Beach developed CAP which established a goal of net zero emissions for the entire city by 2045 (City of Long Beach, 2022). According to the CalEEMod model results presented in Table 9, the Project’s construction GHG emissions would not exceed the SCAQMD threshold; therefore, construction of the Project would result in less than significant impact under this criterion.

During operation, the Project’s GHG emissions would be negligible and comparable to existing conditions. Most operational emissions would be associated with maintenance vehicular trips due to the Project operating underground. Maintenance trips would occur infrequently and would be limited in extent at any given time; thus, the operational emissions would not be substantial. According to the CalEEMod model results, the Project’s operation would emit approximately 30.3 MT of CO<sub>2</sub>e annually, which is below the SCAQMD threshold of 10,000 MT per year and is in line with the reduction of emissions by the City of Long Beach’s CAP. Thus, operation and maintenance would not result in a significant emission of GHGs. Therefore, operation of the Project would result in less than significant impact under this criterion.

**Table 9. Construction Greenhouse Gas Emissions  
(CalEEMod Results)**

Year	Pollutant Emission Rates (metric tons/year)			
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
2025	351.6	0.10	0	354.6
2026	548.4	0.16	0	552.9
Total	900	0.26	0	907.5
Notes: CH <sub>4</sub> =methane; CO <sub>2</sub> =carbon dioxide; CO <sub>2</sub> e=carbon dioxide equivalent; N <sub>2</sub> O=nitrous oxide; SCAQMD=South Coast Air Quality Management District				

- b) **Less Than Significant Impact.** Multiple plans, regulations and policies currently guide the State of California’s target emissions. Assembly Bill (AB) 1493 requires the California Air Resources Board (CARB) to set GHG emission standards for passenger vehicles, light duty trucks, and noncommercial personal transportation vehicles manufactured in 2009 and beyond. The CARB has since adopted standards for future models, referred to as the Low Emission Vehicle III, for 2017 to 2025 model years (CARB, 2023b). California Governor Executive Orders (EO) B-30-15 and S-3-05 established GHG reduction targets for the State of California, and EO B-55-18 established carbon emission targets for the State of California (Cal. Governor’s EO B-30-15, 2015; Cal. Governor’s EO S-3-05, 2005; Cal. Governor’s EO B-55-18, 2018). AB 32 (i.e., the California Global Warming Solutions Act of 2006) requires the State of California’s GHG emissions be reduced to 1990 levels by the year 2020 (CARB, 2023a). AB 32 also requires the CARB to develop a Scoping Plan to outline how the state would achieve California’s carbon neutrality targets and GHG emissions reductions (CARB, 2022). The CARB’s most recent 2022 Scoping Plan outlines a path for California to achieve carbon neutrality by 2045 and assesses the state’s efforts to reducing GHG emissions by 40 percent below 1990 levels by the year 2030. The City of Long Beach developed a Climate Action Plan in 2022 which established the goal of carbon neutrality citywide by the year 2045 (City of Long Beach, 2022). As discussed above, the Project’s construction and operation would not result in a significant increase in GHG emissions; thereby, the Project’s construction and operation would comply with the plans, policies and regulations adopted for the purpose of reducing GHG emissions. Therefore, construction and operation of the Project would result in less than significant impact under this criterion.

#### 4.9 Hazards and Hazardous Materials

The Hazards and Hazardous Materials section of this document evaluates any potential impacts from hazardous substances caused by the Project. An environmental database records search was requested from Environmental Risk Information Services (ERIS, 2022) and is included in Appendix E. The results of the records search were used in the Hazards and Hazardous Materials analysis and no fieldwork was conducted.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>IX. HAZARDS AND HAZARDOUS MATERIALS. Would the project:</b>				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code §65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Impacts Analysis**

- a) **Less Than Significant Impact.** Construction activities would involve the limited transport, storage, and use of potentially hazardous materials such as petroleum products, diesel fuel, gasoline, sewer gas, wastewater, and other chemicals associated with construction vehicles and equipment. However, the contractor would be required to comply with applicable federal, state, and local regulations established by the U.S. Environmental Protection Agency (U.S. EPA) and California Department of Toxic Substances Control, the Occupational Safety and Health Administration (OSHA) and the California Division of Occupational Safety and Health, and the Long Beach Certified Unified Program Agency governing the storage, handling, and disposal of potentially hazardous materials. Any associated risk would be adequately reduced to a less than significant level through compliance with these standards and regulations. Therefore, construction of the Project would result in less than significant impact under this criterion. During operation, the Project would operate underground and normal operations would not involve the transport, storage, or use of hazardous materials. Therefore, operation of the Project would result in no impact under this criterion.
- b) **Less Than Significant Impact with Mitigation Incorporated.** During construction, limited quantities of potentially hazardous materials (e.g., petroleum-based products, diesel fuel) would be transported, used, stored, and disposed of according to federal, state, and local regulations (as described above). However, there is still a possibility of accidental spills or releases during construction. Implementation of MM HAZ-1 would avoid and minimize potential impacts due to the onsite use, and storage if it is determined to be necessary, of hazardous materials during construction. The implementation of MM HAZ-1 would be

required as a part of the Contractor's compliance with the California Regional Water Quality Control Board's (RWQCB) CGP for SWPPP BMPs. Thus, MM HAZ-1 would reduce the likelihood of spills or hazardous emissions. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion. During operation and maintenance, the Project would operate underground, and normal operations would not cause the release of hazardous materials. However, there is a possibility of accidental spills or releases from maintenance equipment (e.g., work trucks) associated with maintenance vehicular trip. Therefore, operation of the Project would result in less than significant impact under this criterion.

### **Hazards and Hazardous Materials Mitigation Measure**

#### **MM HAZ-1: Hazardous Materials Use, Storage, and Containment**

- Provide methods, means and facilities required to prevent contamination of soil, water, or atmosphere by discharge of noxious substances from construction as well as operation and maintenance.
- Provide equipment and personnel required to perform emergency measures required to contain spillages and to remove contaminated soils or liquids.
- Excavate and properly dispose of contaminated soil off-site and replace with suitable compacted fill and topsoil.
- Take measures to prevent harmful substances from entering public waters.
  - Prevent disposal of wastes, effluents, chemicals, or other such substances near rivers, drainages, or in sanitary or storm sewers.
- Provide systems for control of atmospheric pollutants.
  - Prevent toxic concentrations of chemicals.
  - Prevent harmful dispersal of pollutants into atmosphere.
- Contractor's equipment used during construction as well as operation and maintenance shall conform to current Federal, State, and local laws, ordinances, regulations, and standards.
- If paints containing Lead or Chromium are to be physically disturbed or made airborne during progress of Work by activities such as abrasive blasting, welding, cutting, or torch burning; provide appropriate protection in accordance with the OSHA Lead in Construction Standard and Title 8 California Code of Regulations (T8 CCR) Section 1532.1.
- Protect site to prevent leaks and spills of fuel, oil, solvents, grease and other chemicals onto ground or pavement.
  - Regularly maintain equipment and vehicles during construction as well as operation and maintenance activities.
  - Place containment beneath compressor, welding machines, and fuel/oil storage areas to capture spills (plastic sheeting with berms, portable butyl containments, etc).
  - Place absorbent material on plastic sheeting, remove when saturated, and replace with fresh absorbent material.
  - Monitor fueling and equipment servicing to prevent leaks and spills.
  - Store absorbent material in dry condition on-site for cleanup of spills.

- c) **Less Than Significant Impact with Mitigation Incorporated.** Three schools are located within one-quarter mile of the Project. The Eugene Tincher Preparatory School (1701 Petaluma Avenue, Long Beach) is located approximately 0.07 miles west of the Project. The Eunice Sato Academy for Math and Science and Walter B Hill Classical Middle School (1100 Iroquois Avenue, Long Beach) is located approximately 0.05 miles west of the Project (on the western side of the Los Cerritos Channel). The Charles F Kettering Elementary School (550 Silvera Avenue, Long Beach) is located approximately 0.17 miles southwest of the Project.

Construction activities would involve the limited transport, storage, and use of potentially hazardous materials associated with construction vehicles and equipment. The contractor would be required to comply with applicable federal, state, and local regulations; however, there is still a possibility of accidental spills or releases during construction. Implementation of MM HAZ-1 would reduce the likelihood of spills or hazardous emissions and this will be required as a part of the Contractor's compliance with the RWQCB's CGP for SWPPP BMPs. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion. During operation, the Project would operate underground, and normal operations would not cause emissions or handling of hazardous materials. Therefore, operation of the Project would result in no impact under this criterion.

- d) **No Impact.** An environmental database records search was conducted pursuant to Government Code § 65962.5 on December 8, 2022, of federal, state, and local environmental databases to determine if there are hazardous materials sites present within one quarter mile of the Project limits (Appendix E, Environmental Risk Information Services [ERIS] Database Report). The list of hazardous materials sites was reviewed according to the following criteria to determine if any sites could affect or be affected by the Project: 1) proximity to the Project, 2) estimated groundwater flow direction, 3) potential for subsurface impacts to both soil and groundwater, 4) contaminants of concern, 5) potential volume of facility hazardous chemical use, and 6) current regulatory status of the site. There were no findings for sites located within the boundaries of the Project, but there were 231 findings for adjacent properties up to one quarter mile from the Project limits. Detailed review of the findings indicated that four hazardous material sites were identified as requiring additional discussion (below). The remaining findings were not found to be an environmental concern relative to the Project.

**Service Station 4849.** 1190 Studebaker Rd, Long Beach, CA 90815. This site is located on an adjacent property near Project segment RW 1-10. Records indicate the site was formerly a gas station that contained an underground storage tank (UST). The likelihood of a significant hazard to the public or environment from this site is low due to: 1) no other records were found to indicate that a release of the UST had occurred; 2) no new fueling operations are present at this location; 3) the former facility has been redeveloped as part of a larger retail / commercial property, with much of the original service station location covered with an existing 7-11 convenience store; and 4) the estimated depth of excavation for the Project in the site vicinity would be 3 ft bgs or less to the top of the RW pipe. No known USTs or releases are mapped within the Project's footprint. In the event hazardous materials are encountered during ground disturbing activities, the materials will be handled, transported, and disposed consistent with current regulations. Therefore, construction of the Project would result in less than significant impact under this criterion.

**Retirement Housing Foundation.** 911 Studebaker Rd, Long Beach, CA 90815. This site is located on an adjacent property near Project segment RW 1-10. Records indicate the site was formerly a gas station that contained a leaking underground storage tank (LUST) from former fueling operations. The likelihood of a significant hazard to the public or environment from this site is low due to: 1) closure of the LUST case in 2013; 2) the property has been fully redeveloped as a senior living center; and 3) the estimated depth of excavation for the Project in the site vicinity would be 3 ft bgs or less to the top of the RW pipe. According to GeoTracker (2023), the release from the UST has been stopped and the contaminant plume

poses a low threat to human health and safety and the environment and water quality, and it was also determined that the petroleum vapors migrating from soil or groundwater will have no significant risk of adversely affecting human health. The California Bureau of Environmental Health Department of Health and Human Services issued a “Closure/No Further Action Letter” on April 13, 2012, which states five USTs were removed and no further action at the site is required. Thus, it is unlikely excavation associated with the project would encounter contaminated soils or hazardous materials. In the event hazardous materials are encountered during ground disturbing activities, the materials will be handled, transported, and disposed consistent with current regulations. Therefore, construction of the Project would result in less than significant impact under this criterion.

**Los Altos Pumping Plant.** 6560 E Anaheim Rd, Long Beach, CA 90815. This site is located approximately 0.12 miles west of Project segment RW 1-10. Records indicate the site contains a facility categorized as an U.S. EPA Resource Conservation and Recovery Act Large Quantity Generator of hazardous waste. The likelihood of a significant hazard to the public or environment from this site is low due to: 1) distance from the Project; 2) the facility is a public entity and thus is likely held to a higher regulatory standard than other similar privately owned properties; 3) no violations at the site were noted; 4) the estimated depth of excavation for the Project in the site vicinity would be 3 ft bgs or less. It is unlikely the Project would encroach upon the site or contaminants, as the RW pipe would be constructed within Studebaker Road and not on the site’s property. In addition, no hazardous releases from the site have been recorded; thus, it is unlikely excavation associated with the project would encounter contaminated soils or hazardous materials. In the event hazardous materials are encountered during ground disturbing activities, the materials will be handled, transported, and disposed consistent with current regulations. Therefore, construction of the Project would result in less than significant impact under this criterion.

**Los Angeles County Public Works – Stormwater Maintenance Alamitos Yard.** 881 Iroquois St, Long Beach, CA 90815. This site is located approximately 0.18 miles west of Project segment RW 1-10. Records indicate the site once contained a LUST case from former fueling operations. The likelihood of a significant hazard to the public or environment from this site is low due to: 1) closure of the LUST case; 2) distance from the Project; 3) the facility is a public entity and thus is likely held to a higher regulatory standard than other similar privately owned properties; 4) the estimated depth of excavation in the site vicinity for the Project would be 3 ft bgs or less. According to GeoTracker (2023), the LUST was removed in 2003. While a “Closure/No Further Action Letter” has not been issued for this site, no remedial actions have since taken place and the site continues to participate in the California RWQCB groundwater modeling program. It is unlikely the Project would encroach upon the site or contaminants, as the RW pipe would be constructed within Studebaker Road and no releases or groundwater contaminants have been recorded; thus, it is unlikely excavation associated with the project would encounter contaminated soils or hazardous materials. In the event hazardous materials are encountered during ground disturbing activities, the materials will be handled, transported, and disposed consistent with current regulations. Therefore, construction of the Project would result in less than significant impact under this criterion.

On the basis of this analysis of the database findings, no outstanding enforcement actions, violations, or uncompleted remediation efforts/orders were identified for any of the sites listed above. Thus, construction of the Project is not located on or near a site that would create a significant hazard to the public or environment. Therefore, construction of the Project would result in no impact under this criterion. During operation, the Project would operate underground, and normal operations would not generate hazardous materials that would create a significant hazard to the public or environment. Therefore, operation of the Project would result in no impact under this criterion.

- e) **No Impact.** The Project is not located within two miles of a public airport. The closest public airport is Long Beach Airport (4100 Donald Douglas Drive, Long Beach) located approximately 2.5 miles northwest of the

Project. The Project falls outside the planning boundary for the Long Beach Airport Influence Area (Los Angeles County Land Use Commission, 2003). The Project is located approximately 2 miles southwest of the Joint Forces Training Base (JFTB), Los Alamitos (11206 Lexington Dr, Los Alamitos), and falls within the JFTB Airport Planning Area. However, the Project area is outside the noise contour impact zones of the JFTB (Orange County Airport Land Use Commission, 2017). Due to the distance from the nearest public airport, the Project would not result in a safety hazard or excessive noise for people residing or working in the Project area during construction. During operation, the Project would operate underground and would not result in a safety hazard or excessive noise for people residing or working in the Project area. Therefore, construction and operation of the Project would result in no impact under this criterion.

- f) **No Impact.** The City of Long Beach and the City of Seal Beach have implemented Emergency Operations Plans (EOPs) for their respective cities, which guides the response, mobilization, and recovery efforts of the city before, during, and after emergency situations (City of Long Beach, 2015c; City of Seal Beach, 2017). Within the EOPs, both cities would utilize their respective police, fire, and public works services for disaster response and recovery efforts (City of Long Beach, 2015c; City of Seal Beach, 2017). During construction, notification to fire and police services within the City of Long Beach and City of Seal Beach would be sent notification prior to any closing, partial closing, or reopening of a street, alley, or other public thoroughfare, as applicable. Lane and short-term roadway closures or temporary detours may result in minor increases in vehicle miles traveled (VMT). However, the temporary nature of construction activities for the Project would not permanently close or block long-term road access that would impair or otherwise interfere with an emergency response plan or emergency evacuation plan as specified in the EOPs. During operation, the Project would operate underground and would not affect traffic or otherwise interfere with an emergency response plan or emergency evacuation plan as specified in the EOPs. Therefore, construction and operation of the Project would result in no impact under this criterion.
- g) **No Impact.** The Project is located within a developed, urbanized area that does not contain and is not adjacent to any wildland areas. The Project would not expose people or structures to a significant risk of loss, injury or death involving wildland fires during construction or operation. Therefore, construction and operation of the Project would result in no impact under this criterion.

#### 4.10 Hydrology and Water Quality

The Hydrology and Water Quality section evaluates the impact of the Project on water quality standards or waste discharge requirements. The section also considers impacts to the drainage of the property and potential impacts from storm water runoff to streams, rivers, or the Pacific Ocean.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>X. HYDROLOGY AND WATER QUALITY.</b> Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) result in a substantial erosion or siltation on- or off-site;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on-or off-site;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Impacts Analysis**

- a) **Less Than Significant Impact.** The Project area is under the jurisdiction of the California RWQCB Los Angeles Region for issues related to water quality. Construction of the Project, and its associated potential to impact water quality, is considered to be nonpoint source pollution. During construction, the proposed construction activities at the site would implement BMPs to reduce potential impacts to water quality. Additionally, construction of the Project would disturb more than 1 acre of land, which would require the preparation of a Storm Water Pollution Prevention Plan (SWPPP). Implementation of the SWPPP would result in the Project not violating water quality standards or waste discharge requirements or otherwise substantially degrading surface or ground water quality. The Project is a Linear Underground Project and would be included in the SMARTS. The SMARTS allows applicants to enter, manage, and view stormwater data associated with California’s Storm Water General Permits. The Project’s SWPPP would be permitted (with a Waste Discharge Identification Number) and managed under the SMARTS system. Therefore, construction of the Project would result in less than significant impact under this criterion. During operation and maintenance, the Project would operate underground and would not introduce new point or nonpoint source pollution. Therefore, operation of the Project would result in no impact under this criterion.
- b) **No Impact.** The Project’s installation of a RW pipeline would not result in changes to stormwater drainage and the Project would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge. In addition, the Project would not impede sustainable groundwater management

of the basin. During construction, a RW pipeline would be installed via trenching or direct drilling (under SR 22) and trenched areas would be backfilled once pipeline installation is complete. During operation, the Project would operate underground and would not affect stormwater drainage. Therefore, construction and operation of the Project would result in no impact under this criterion.

- c) **No Impact.** During construction and operation, ground disturbing activities would be returned to pre-construction conditions, to the extent practical. During operation, the Project would operate underground. Therefore, construction and operation of the Project would not 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 that would:
- i) **No Impact.** Result in substantial erosion or siltation on- or off-site. The existing site is within a developed urban setting with existing paved roads and sidewalks. A single watercourse, the San Gabriel River, is located within the Project area. During construction and operation, the Project activities in the vicinity of the San Gabriel River would be limited to attaching the RW pipeline on the College Park Drive bridge and no impact to the watercourse would occur. This will be required to be a submittal to be prepared by the Contractor and approved by all parties. Additionally, the Project would not increase impervious surfaces in the area and a SWPPP would be prepared for the Project. Implementation of a SWPPP and associated BMPs would prevent surface water runoff on- and off-site. As such, the Project would not result in erosion or siltation on- or off-site. Therefore, construction and operation of the Project would result in no impact under this criterion.
  - ii) **No Impact.** Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site. The existing area surface water runoff is managed by the City of Long Beach's and Seal Beach's stormwater runoff system and the Project surface water runoff would also be managed through the cities' stormwater system. During construction and operation, Project activities would not impact existing storm drains and would not increase impervious surfaces in the area. As such, the Project would not increase the rate or amount of surface runoff as the type of surface will not be changed as a part of this project but restored to pre construction conditions. Therefore, construction and operation of the Project would result in no impact under this criterion.
  - iii) **No Impact.** Create or contribute to runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. The existing area surface water runoff is managed by the city of Long Beach's and Seal Beach's stormwater runoff system and the Project surface water runoff would also be managed through the cities' stormwater system. During construction and operation, Project activities would not increase impervious surfaces in the area as the type of surface will not be changed as a part of this project. As such, the Project would not create or contribute to runoff water. Therefore, construction and operation of the Project would result in no impact under this criterion.
  - iv) **No Impact.** Impede or redirect flood flows. During construction and operation, the Project would not impact existing stormwater drainage systems. In addition, the Project's installation of a recycled water pipeline would not result in changes to the pre-construction stormwater drainage patterns of the Project site. The finished grade will not be adjusted but restored to pre-construction conditions. As such, no impacts related to impeding or redirecting flood flows are anticipated. Therefore, construction and operation of the Project would result in no impact under this criterion.
- d) **Less Than Significant Impact.** The Project is situated within the Federal Emergency Management Agency (FEMA) Flood Hazard Zones A and X. The majority of the Project alignment falls within Flood Hazard Zone X. Flood Hazard Zone X indicates that location lies within an area with a reduced flood risk due to a levee. Flood Hazard Zone A is confined to the channel of the San Gabriel River. Flood Hazard Zone A indicates that location lies within an area with a 1 percent annual chance of flood hazard. Additionally, the portion of the

San Gabriel River that flows beneath the Project alignment is within a mapped tsunami zone (California Geological Survey, 2022). During construction and operation, there would be risk of releasing pollutants from inundation, as the Project alignment would occur where there is a tsunami hazard and has potential to be subject to inundation from a temporary disturbance or oscillation of the water level. This will be addressed as a part of the Contractor’s LUP and associated Waste Discharge Identification Number and PRD documents submitted to the RWQCB in order to meet the CGP. However, Project activities within the Flood Hazard Zone A and mapped tsunami zone would be limited to attaching the RW pipeline from the College Park Drive bridge over the San Gabriel River. Therefore, construction and operation of the Project would result in less than significant impact under this criterion.

- e) **No Impact.** The existing areas surface water runoff is managed by the City of Long Beach’s and Seal Beach’s stormwater runoff system and the Project surface water runoff would also be managed through the cities’ stormwater systems. During construction and operation, the Project would not impact existing storm drain systems. As such, the Project would not conflict with implementation of the City of Long Beach and Seal Beach Stormwater Management Plans or an enforceable element of either City’s National Pollutant Discharge Elimination System (NPDES) MS4 Permit. Therefore, construction and operation of the Project would result in no impact under this criterion. In addition, the construction will adhere to the CGP and this project is classified as a Linear Underground Project and will be submitted into the SMARTs system.

#### 4.11 Land Use and Planning

The Land Use and Planning section evaluates any potential conflicts between the Project and the City of Long Beach’s General Plan and Zoning Code or City of Seal Beach’s General Plan and Zoning Code, or any habitat conservation plan established by either city.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XI. LAND USE AND PLANNING.</b> Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### Impacts Analysis

- a) **No Impact.** Most of the Project would be constructed underground, except for the segment of pipeline that would be attached to the north side of the College Park Drive bridge structure. The Project would be constructed underneath existing roadways or within existing road right-of-way; thus, the Project would not physically divide an established community. The Project would operate underground and thus would not cause a division of an established community. Therefore, construction and operation of the Project would result in no impact under this criterion.
- b) **No Impact.** The Project area is not within a habitat conservation plan. Most of the Project would be constructed underground, except for the segment of pipeline that would be attached to the north side of the College Park Drive bridge structure. The City of Long Beach Urban Water Management Plan (UWMP) dictates the use and actions of water and conservation activities within the city (City of Long Beach, 2020). The Seal Beach UWMP assesses the city’s present and future water supply sources and demands (City of Seal Beach, 2021). During construction and operation, the Project’s surface water runoff would be managed

through the cities’ stormwater cities and would not impact existing storm drain systems. A minor amount of water may be used by the Project during construction (e.g., dust control) and/or for compaction of the backfill which would be supplied from existing, sufficient local supplies. The Project does not require an external source of water to operate. As such, the Project would not increase the rate or amount of surface runoff as the type of surface will not be changed as a part of this project but restored to pre-construction conditions. Thus, the Project would not impact demand, water supplies, or conservation targets as outlined in the cities’ UWMPs and would be in compliance with the UWMPs. During construction, the Project would conform to applicable permits, and standard specifications for pipelines and Long Beach Public Works Construction. Construction of the Project would comply with Cities of Long Beach and Seal Beach municipal codes (LBMC Section 15.44; SBMC Section 9.55) regarding construction of minor utilities. During operation, the Project would operate underground and would not conflict with any land use plan, policy or regulation adopted for the purpose of avoiding or mitigating an environmental effect. Therefore, construction and operation of the Project would result in no impact under this criterion.

#### 4.12 Mineral Resources

The Mineral Resources section analyzes any impacts the Project might have on mineral resources in the City of Long Beach or the City of Seal Beach.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XII. MINERAL RESOURCES.</b> Would the project:				
a) Result in the loss of availability of a known mineral resource that would be a value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### Impacts Analysis

- a) **No Impact.** According to the City of Long Beach SEASP and the California Department of Conservation Well Statewide Tracking and Reporting System (WellSTAR) database, a portion of segment RW 1-15 (south of SR 22 and the tie-in to HGS property) is located within the Seal Beach Oil/Gas Field; however, there are no oil wells located within the Project area (State of California, 2022c). According to the City of Seal Beach’s General Plan, there are no active oil or gas facilities within or adjacent to the Project area (City of Seal Beach, 2003d). Construction and operation of the Project would not affect any known mineral resources. Therefore, construction and operation of the Project would result in no impact under this criterion.
- b) **No Impact.** No mineral resource recovery sites are delineated on a City of Long Beach or City of Seal Beach general plan, specific plan, or other land use plan for the project area. Therefore, construction and operation of the Project would result in no impact under this criterion.

#### 4.13 Noise

The noise section evaluates the noise and vibration impacts of the Project and the impact of the noise environment on the Project itself.

The information and analyses presented in this noise section are based on the Noise and Vibration Technical Memorandum prepared by AZTEC Engineering Group, Inc. (Appendix F) for the Project.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XIII. NOISE.</b> Would the project 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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Generation of excessive ground-borne vibration or ground-borne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Impacts Analysis**

- a) **Less Than Significant Impact with Mitigation Incorporated.** The Project is located within the City of Long Beach and City of Seal Beach; thus, the Project construction and operation must comply with the general plans and noise ordinances for each jurisdiction.

The Noise Element of the City of Long Beach General Plan establishes average maximum noise levels for construction equipment and related activities. For construction sites located away from main roads or sources of industry, the average maximum noise levels outside a building should not exceed 70 A-weighted decibels (dBA). For construction sites located near main roads and sources of industry, the average maximum noise levels outside a building should not exceed 75 dBA (City of Long Beach, 1975a; City of Long Beach, 2023). The City of Long Beach’s municipal code establishes exterior and interior noise restrictions for the generation of sound within the city’s limits. The municipal code defines noise limits by land use and restricts construction activities to weekdays between 7:00 AM and 7:00 PM, Saturdays between 9:00 AM and 6:00 PM, and does not allow work to occur on Sundays unless otherwise authorized by a permit (LBMC Section 8.80).

Construction of the Project would require the use of heavy equipment, which has the potential to result in a temporary (short term) increase in ambient noise levels. Implementation of MM N-1 during construction would ensure the Project complies with the time restrictions established in the City of Long Beach noise ordinance. Thus, MM N-1 would reduce the potential impacts associated with increase in ambient noise to nearby sensitive land use/receptors.

The Noise Element of the City of Seal Beach General Plan establishes residential land uses as the most sensitive to noise, with a maximum noise exposure of 65 dBA (City of Seal Beach, 2003c). The City of Seal Beach’s municipal code exempts construction and maintenance related activities from the City of Seal Beach noise provisions. The municipal code restricts construction activities to workdays [Monday through Friday] between 7:00 AM and 8:00 PM, and Saturdays between 8:00 AM and 8:00 PM. Maintenance activities are restricted to the same construction time restrictions; however, maintenance activities would be allowed to occur on Sundays or holidays between 9:00 AM and 8:00 PM (SBMC Section 7.15).

Construction of the Project would require the use of heavy equipment, which has the potential to result in a temporary (short term) increase in ambient noise levels. Implementation of MM N-1 during construction

would ensure the Project complies with the time restrictions established in the City of Seal Beach noise ordinance. Thus, MM N-1 would reduce the potential impacts associated with an increase in ambient noise to nearby sensitive land use/receptors.

The Project would operate underground and occasional maintenance may be required.

The Project's maintenance noise levels would be similar to ambient traffic noise; thus, maintenance would be a negligible increase in noise levels to sensitive receptors. Day and time restrictions within the City of Long Beach's municipal code do not apply to construction maintenance and repair operations; therefore, maintenance associated with the pipeline would comply with City of Long Beach noise ordinances.

Maintenance is not anticipated to occur outside of the time restrictions in the City of Seal Beach municipal code; therefore, maintenance of the pipeline would comply with City of Seal Beach noise ordinances.

Thus, operation of the Project would comply with the noise level and time restrictions established in the City of Long Beach and City of Seal Beach noise ordinances.

### **Sensitive Land Uses**

Sensitive land uses, as defined in the City of Long Beach Noise Element (City of Long Beach, 2023) and City of Seal Beach Noise Element (City of Seal Beach, 2003), typically include residential areas, educational facilities, hospitals, childcare facilities, and senior housing. The majority of the land use in the Project area is residential. The closest residences to the Project site are the homes along the Studebaker Access Road / SR 22 off-ramp, located approximately 15 feet from the residential privacy walls located adjacent to the pipeline alignment. Representative sensitive receptors for the Project area include the following:

- R1: Residence (1639 Studebaker Rd, Long Beach) located approximately 32 feet (10 meters) west of the Project.
- R2: Residence (6902 E Rendina St, Long Beach) located approximately 155 feet (47 meters) east of the Project.
- R3: Residence (1429 Studebaker Rd, Long Beach) located approximately 30 feet (9 meters ) west of the Project.
- R4: Residence (1344 Studebaker Rd, Long Beach) located approximately 155 feet (47 meters) east of the Project.
- R5: Residence (1263 Studebaker Rd, Long Beach) located approximately 35 feet (11 meters) west of the Project.
- R6: Residence (6705 Anaheim Rd, Long Beach) located approximately 32 feet (10 meters) east of the Project.
- R7: Residence (893 Lees Ave, Long Beach) located approximately 43 feet (13 meters) east of the Project.
- R8: Residence (849 Lees Ave, Long Beach) located approximately 22 feet (7 meters) east of the Project.
- R9: Residence (803 Lees Ave, Long Beach) located approximately 12 feet (4 meters) east of the Project.
- R10: Residence (6840 Septimo Street, Long Beach) located approximately 62 feet (19 meters) north of the Project.
- R11: Park (99 College Park Drive, Seal Beach) located approximately 32 feet (10 meters) north of the Project.

Use of construction equipment (e.g., heavy equipment) for the Project would create short term increases to noise levels in the Project area. The sensitive receptors would experience a temporary and periodic increase above ambient noise levels. However, the temporary increase in noise would cease once Project construction is complete.

The Roadway Construction Noise Model was used to predict Project construction noise levels. The predicted maximum and average construction noise levels for the sensitive receptors under the worst case scenario are shown in Table 10. Detailed construction noise calculations are included in Appendix F. Construction noise during the Project's pavement removal phase would be the loudest ( $L_{max}$  ranges from 72.5 dBA to 83.6 dBA; and  $L_{eq}$  ranges from 70.8 dBA to 81.9 dBA) for the 11 modeled receivers as shown in Table 10.

Ambient noise within the Project area is dominated by roadway traffic noise; thus, existing traffic noise levels were modeled for the Project area utilizing the SoundPLAN computer noise model. Noise level increases between the loudest construction phase (i.e., pavement removal) and ambient traffic noise are shown in Table 11. Project construction would increase noise levels by 7.7 dBA to 20.0 dBA over existing ambient traffic noise and would exceed the allowable noise level for the City of Long Beach by 5.8 dBA to 14.0 dBA depending on the sensitive receptor. The increase in noise associated with Project construction would be temporary and would cease once construction of the Project is complete. Implementation of MM N-1 would minimize construction noise levels and limit sensitive receptor exposure to construction noise to allowable times. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion.

During operation, the Project would operate underground and would not generate noise sources. Noise from maintenance vehicular trips (e.g., work trucks) would be similar to ambient traffic noise and would be short term and temporary in nature; thus, operation and maintenance noise levels would be a negligible increase in noise levels to sensitive receptors. Therefore, operation of the Project would result in less than significant impact under this criterion.

**Table 10. Construction Equipment Noise Levels**

ID	Site Preparation		Pavement Removal		Pipeline Installation		Paving	
	L <sub>max</sub>	L <sub>eq</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>max</sub>	L <sub>eq</sub>
R1	78.4	76.2	81.3	79.7	78.4	76.2	81.0	77.1
R2	70.3	68.1	73.2	71.6	70.3	68.1	72.9	69.0
R3	80.7	78.4	83.6	81.9	80.7	78.4	83.2	79.4
R4	69.6	67.3	72.5	70.8	69.6	67.3	72.1	68.2
R5	77.8	75.5	80.7	79.0	77.8	75.5	80.3	76.4
R6	79.1	76.9	82.0	80.3	79.1	76.9	81.6	77.8
R7	72.4	70.2	75.3	73.7	72.4	70.2	75.0	71.1
R8	75.8	73.6	78.7	77.0	75.8	73.6	78.3	74.5
R9	75.6	73.4	78.5	76.8	75.6	73.4	78.1	74.3
R10	69.6	67.3	72.5	70.8	69.6	67.3	72.1	68.2
R11	77.8	75.5	80.7	79.0	77.8	75.5	80.3	76.4

Note:

R1 to R11 correspond to the Project's Sensitive Receiver locations; L<sub>max</sub> = maximum A-weighted sound level; L<sub>eq</sub> = average noise level over a period of time; L<sub>max</sub> and L<sub>eq</sub> are measured in dBA; dBA = A-weighted decibel.

**Table 11. Construction Noise Increase Over Allowable Noise Levels**

ID	Pavement Removal		Traffic Noise	Allowable Noise Levels	Noise Level Increase
	L <sub>max</sub>	L <sub>eq</sub>	L <sub>eq</sub>	L <sub>eq</sub>	L <sub>eq</sub>
R1	81.3	79.7	62.6	65	14.7
R2	73.2	71.6	63.9	65	6.6
R3	83.6	81.9	63.6	65	16.9
R4	72.5	70.8	61.8	65	5.8
R5	80.7	79.0	62.9	65	14.0
R6	82.0	80.3	67.0	70	10.3
R7	75.3	73.7	63.0	65	8.7
R8	78.7	77.0	57.6	65	12.0
R9	78.5	76.8	56.8	65	11.8
R10	72.5	70.8	54.7	65	5.8
R11	80.7	79.0	60.8	65	14

Note:

R1 to R11 correspond to the Project’s Sensitive Receiver locations; L<sub>max</sub> = maximum A-weighted sound level; L<sub>eq</sub> = average noise level over a period of time; L<sub>max</sub> and L<sub>eq</sub> are measured in dBA; dBA = A-weighted decibel.

When determining the allowable noise levels, a 6 dBA noise reduction was assumed for privacy walls.

**Noise Mitigation Measure**

**MM N-1: Noise Restrictions.** Construction activities shall be limited to the hours of 7:00 AM and 7:00 PM on Monday through Friday. No construction shall be conducted on Saturdays, Sundays and City holidays unless otherwise approved by The Board of Water Commissioners of the City of Long Beach. If approved, construction activities on those days would be limited to the hours of 9:00 AM to 6:00 PM. All construction equipment shall use properly operating mufflers.

- b) **Less Than Significant Impact.** Construction of the Project would require the use of heavy equipment, which has the potential to result in vibration that could disturb nearby residents and/or cause cosmetic damage to existing adjacent buildings or structures. The vibration descriptor used to determine structural damage is the peak particle velocity (ppv), which is defined as the maximum instantaneous positive or negative peak of the vibration signal (inches/second).

Caltrans developed thresholds for ground borne vibrations and human response, as well as structural vibration damage for modern structures for intermittent sources (e.g., impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory construction equipment) (Caltrans, 2013a & 2013b). Table 12 below shows Caltrans’ acceptable levels of ground-borne vibration based on the relative perception of a vibration event for vibration-sensitive land uses. For the Project to be compliant with Caltrans’ thresholds, the ground-borne vibration should not exceed the “distinctly perceptible,” or 0.24 ppv, threshold.

The American Association of State Highway and Transportation Officials (AASHTO) (AASHTO, 1990) identifies maximum vibration levels for preventing damage to structures from intermittent construction or maintenance activities for residential buildings. AASHTO has identified maximum vibration levels for modern and fragile buildings. Due to the potential for older buildings to occur along the Project alignment, the maximum vibration levels for older buildings, 0.3 ppv, was used in the analysis of vibration from the Project's construction as a conservative measure. Below this vibration level there is virtually no risk of building damage.

The nearest receptors to the Project would be the residences along the Studebaker Access Road / SR 22 off-ramp. For the Project to be compliant with AASHTO, the continuous or frequency intermittent sources should not exceed 0.3 ppv.

Table 13 shows the estimated vibration levels generated by construction equipment that may be used during construction of the Project. Vibration results are provided in greater detail within Appendix F. To calculate the ppv for a receptor distance of 15 feet, the following formula was used for the Project:

The calculation to determine PPV at a given distance is:

$$PPV_{\text{distance}} = PPV_{\text{ref}} * (25/D)^{1.5}$$

Where:

- PPV<sub>distance</sub> = the peak particle velocity in inches/second of the equipment adjusted for distance,
- PPV<sub>ref</sub> = the reference vibration level in inches/second at 25 feet, and
- D = the distance from the equipment to the receiver.

A loaded truck is assumed to be used for Project construction. The vibration level for a loaded truck at the closest receptor distance of 15 feet would be 0.16 ppv, which is below the AASHTO 0.3 ppv criterion for a significant impact for continuous/frequency intermittent sources. In addition, the vibration level would be below the Caltrans 0.24 ppv criterion for annoyance and below the 0.3 ppv criterion that could create structural damage for older buildings. Therefore, construction of the Project would result in less than significant impact under this criterion.

During operation, the Project would operate underground and would not generate vibration sources. Vibration from maintenance vehicular trips (e.g., work trucks) would be similar to ambient traffic noise; thus, vibration would be short term and temporary in nature. Operation and maintenance vibration levels would be a negligible increase in vibration levels to sensitive receptors. Therefore, operation of the Project would result in less than significant impact under this criterion.

**Table 12. Human Response to Transient Vibration**

Average Human Response	ppv (in/sec)
Severe	2.000
Strongly perceptible	0.900
Distinctly perceptible	0.240
Barely perceptible	0.035

Source: Caltrans, 2013b.

**Table 13. Estimated Vibration Levels During Construction**

Equipment	PPV at 25 ft (in/sec)	PPV at 50 ft (in/sec)	PPV at 75 ft (in/sec)	PPV at 100 ft (in/sec)
Large bulldozer	0.089	0.031	0.017	0.011
Loaded trucks	0.076	0.027	0.015	0.010
Jackhammer	0.035	0.012	0.007	0.004
Small bulldozer	0.003	0.001	0.001	<0.001

Source: Federal Transit Administration, 2018

- c) **No Impact.** The closest public airport to the Project site is the Long Beach Airport (4100 Donald Douglas Dr, Long Beach), located approximately 2.5 miles northwest of the Project. The Project is located approximately 2 miles southwest of JFTB, Los Alamitos (11206 Lexington Dr, Los Alamitos) and falls within the JFTB Airport Planning Area. However, the Project area is outside the noise contour impact zones of the JFTB (Orange County Airport Land Use Commission, 2017). There are no private airstrips, heliports, or helistops in the immediate vicinity of the Project site. The construction and operation of the Project would not generate aircraft noise, nor would it locate people in an area where they would be exposed to excessive aircraft noise levels. Therefore, construction and operation of the Project would result in no impact under this criterion.

#### 4.14 Population and Housing

The Population and Housing section considers the impact of the Project on population growth within the Project area and whether the Project would displace substantial numbers of people necessitating construction of new housing elsewhere.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XIV. POPULATION AND HOUSING.</b> 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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### Impacts Analysis

- a) **No impact.** The Project would install a RW pipeline underground for use by the HGS. During construction, the Project would not demolish or construct new homes, businesses, roadways, or other aboveground infrastructure. Construction of the project would require short-term workers from the local and surrounding area; thus, construction of the Project would not directly or indirectly induce population growth in the City of Long Beach or the City of Seal Beach. Operation of the Project would not generate additional vehicular traffic beyond those required for maintenance activities. Therefore, construction and operation of the Project would result in no impact under this criterion.

- b) **No impact.** The Project would not displace any persons or housing and would not necessitate the construction of replacement housing elsewhere. Therefore, construction and operation of the Project would result in no impact under this criterion.

#### 4.15 Public Services

This section evaluates the impact of the Project on public services provided by the City of Long Beach, City of Seal Beach, or other agencies.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XV. PUBLIC SERVICES.</b> Would the project:				
II. 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:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire protection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schools?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Parks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### Impacts Analysis

- a) **Less Than Significant Impact with Mitigation Incorporated.** The Project is surrounded by commercial, industrial, low density residential, open space, and undeveloped ROW land uses. Most of the Project would be constructed underground, except for the segment of pipeline that would be attached to the north side of the College Park Drive bridge structure. During construction, a TCP may be developed and implemented to assist with traffic flow within the Project area. Lane and short-term roadway closures may be necessary and temporary detours may result in minor increases in VMT. Notification to Long Beach and Seal Beach fire, police, and schools; Caltrans; and transit authorities would be sent at least 2 working days prior to any closing, partial closing, or reopening of a street, alley, or other public thoroughfare. Public notification to residents would be sent 7 days and 48-hours prior to start of construction, and 24-hours prior to any water service disruptions. Implementation of MM TR-1, which requires the preparation and approval of a standard traffic control plan, would reduce impacts to a less than significant level. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion.

During operation, the Project would operate underground and would not affect service ratios, response times, or other performance objectives for any public services. Therefore, operation of the Project would result in no impact under this criterion.

**Less Than Significant Impact with Mitigation Incorporated- Fire Protection.** A total of twenty-five (25) fire stations are located within the City of Long Beach. The nearest Long Beach fire station is Long Beach

Fire Dept. Station 22 (6340 Atherton Street), located approximately 0.54 miles west of the Project's northernmost point.

The Orange County Fire Authority (OCFA) is a regional fire service agency that serves Orange County, including the City of Seal Beach. The nearest Seal Beach fire station is OCFA Fire Station #48 (3131 North Gate Road), located approximately 1.05 miles east of the Project.

During construction (as part of the project's TCP), notification to Long Beach and Seal Beach fire services would be sent out prior to any closing, partial closing, or reopening of a street, alley, or other public thoroughfare. Acceptable service ratios, response times, or other performance objectives would not change during construction; however, lane and short-term roadway closures or temporary detours may result in minor increases in VMT. The Project would implement MM TR-1, which requires the preparation and approval of a standard traffic control plan, to reduce the impacts to a level less than significant. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion.

During operation, the Project would operate underground and would not affect vehicular traffic. Therefore, operation of the Project would result in no impact under this criterion.

**Less Than Significant Impact with Mitigation Incorporated - Police Protection.** The Long Beach Police Department provides law enforcement services to the City of Long Beach. The Long Beach Police – East Division, a police sub-station, provides law enforcement services for the Project area. The police sub-station (3800 E. Willow Street) is located approximately 2.91 miles northwest of the Project.

The Seal Beach Police Department provides law enforcement services to the City of Seal Beach and the Project area. The Seal Beach Police Department headquarters (911 Seal Beach Boulevard) is located approximately 1.53 miles southwest of the Project.

During construction (as part of the project's TCP), notification to Long Beach and Seal Beach police services would be sent out prior to any closing, partial closing, or reopening of a street, alley, or other public thoroughfare. Acceptable service ratios, response times, or other performance objectives would be maintained during construction; however, lane and short-term roadway closures or temporary detours may result in minor increases in VMT. The Project would implement MM TR-1, which requires the preparation and approval of a standard traffic control plan, to reduce the impacts to a level less than significant. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion.

During operation, the Project would operate underground and would not affect vehicular traffic. Therefore, operation of the Project would result in no impact under this criterion.

**Less Than Significant Impact with Mitigation Incorporated - Public Schools.** Within the City of Long Beach, public school services for the Project area are provided by the Long Beach Unified School District. Within the City of Seal Beach, public school services for the Project area are provided by the Los Alamitos Unified School District. The Project would not construct new public school facilities or add improvements to existing public school facilities; however, lane and short-term roadway closures or temporary detours required for the Project may result in minor increases in VMT. The Project would implement MM TR-1, which requires the preparation and approval of a standard traffic control plan, to reduce the impacts to a level less than significant. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion.

During operation, the Project would operate underground and would not otherwise affect the access or use of existing public school facilities. Therefore, operation of the Project would result in no impact under this criterion.

**Less Than Significant Impact with Mitigation Incorporated - Parks.** There is one park, Edison Park (99 College Park Drive, Seal Beach), located adjacent to the Project area. Construction of the Project would occur within the existing College Park Drive roadway south of the park’s entrance; however, it would not alter the existing park facility, nor would construction generate additional population within the City of Seal Beach. During construction, a TCP may be developed and implemented to assist with traffic flow within the Project area. Construction of the Project requires trenching within the roadway near the entrance of the park; thus, lane and short-term roadway closures may be necessary, or temporary detours, which would result in minor increases in VMT in the vicinity of the park. However, access to the park would be maintained throughout construction. The Project would implement MM TR-1, which requires the preparation and approval of a standard traffic control plan, to reduce the impacts to a level less than significant. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion.

During operation, the Project would operate underground and would not otherwise affect the access or use of the park. Therefore, operation of the Project would result in no impact under this criterion.

**Less Than Significant Impact with Mitigation Incorporated - Other Public Facilities.** Construction and operation of the Project would not generate additional population that would impact libraries, community centers, or other community facilities in the City of Long Beach or the City of Seal Beach. No new construction of or improvements to other existing public facilities would be required to maintain acceptable performance objectives. Lane and short-term roadway closures may be necessary or temporary detours, which would result in minor increases in VMT. However, the Project would implement MM TR-1, which requires the preparation and approval of a standard traffic control plan, to reduce the impacts to a level less than significant. Therefore, construction of the Project would result in less than significant impact under this criterion.

During operation, the Project would operate underground and would not otherwise affect aboveground public facilities. Therefore, operation of the Project would result in no impact under this criterion.

#### 4.16 Recreation

The Recreation section analyzes whether the Project would trigger the need for additional recreational facilities within the community. The section also evaluates the impact on use of existing neighborhood or regional parks.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XVI. RECREATION.</b>				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Impacts Analysis

- a) **No Impact.** The Project would construct RW pipeline underground, except for the segment of pipeline that would be attached to the north side of the College Park Drive bridge structure. Construction of the Project would occur near Edison Park (99 College Park Drive, Seal Beach); however, Project activities are not of a nature that would increase the existing use of the facility.

During operation, the Project would operate underground and would not otherwise affect the access or use of the park. Therefore, construction and operation of the Project would result in no impact under this criterion.

- b) **No Impact.** The Project would construct RW pipeline underground, except for the segment of pipeline that would be attached to the north side of the College Park Drive bridge structure. The Project does not include recreation facilities or require the construction or expansion of recreational facilities. Therefore, construction and operation of the Project would result in no impact under this criterion.

### 4.17 Transportation

This section evaluates whether the Project creates conflicts with the effectiveness of the existing transportation network, any congestion management plan, or creates any design flaws that would substantially increase transportation hazards.

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

### Impacts Analysis

- a) **Less Than Significant Impact with Mitigation Incorporated.** The Project, construction and operation/maintenance of an underground RW pipeline, would not permanently conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities. During construction, the Project would temporarily relocate bus service that is currently available at four bus stops in Long Beach located along Studebaker Road, as follows: (1) Studebaker-Atherton, (2) Studebaker-Driscoll, (3) Studebaker-Vuelta Grande W, (4) Studebaker and Anaheim Road SW. Bus service would resume upon the completion of construction. No bus stops are currently located on College Park Drive (Long Beach and Seal Beach). During construction, street and lane closures, as well as detours, may be implemented during construction and could result in traffic delays. However, a Traffic Control Plan (TCP) would be implemented by the contractor to address temporary impacts to vehicles and pedestrians, and would allow access to emergency vehicles. The Project would

implement MM TR-1, which requires the preparation and approval of a standard traffic control plan. Implementation of MM TR-1 would reduce the impacts to a level less than significant. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion. During operation, area roadways would be returned to their pre-construction operation and traffic would not be impeded. Therefore, operation of the Project would result in no impact under this criterion.

- b) **Less Than Significant Impact.** CEQA Guidelines section 15064.3, subdivision (b) describes specific criteria for analyzing a project's transportation impacts. During construction, lane and short-term roadway closures may be necessary and temporary detours may be required, which may result in a minor and temporary increase VMT. During operation, the Project would operate underground, roadways would return to their pre-construction operational condition (i.e., VMT would return to pre-construction VMT). Therefore, construction and operation of the Project would not conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b). Construction of the Project would result in less than significant impact and operation would result in no impact under this criterion.
- c) **Less Than Significant Impact with Mitigation Incorporated.** The Project is installation and operation of a RW pipeline located mostly underground, except where the pipeline is installed aboveground on the College Park Drive Bridge over the San Gabriel River (i.e., attaching pipe to the existing bridge structure). The Project would not substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment). During construction, street and lane closures, as well as detours, may be implemented during construction and could result in traffic delays. However, a TCP would be implemented by the contractor to address temporary impacts to vehicles and pedestrians, and would allow access to emergency vehicles. The Project would implement MM TR-1, which requires the preparation and approval of a standard traffic control plan. During construction, traffic control measures, as part of the TCP, would be implemented in accordance with Federal Highway Administration Manual on Uniform Traffic Control Devices, California Department of Transportation, and/or local permitting requirements. The TCP may require lane closures which would temporarily reduce the travel width of roadways and may affect sight distance; and thus, would temporarily affect the geometric design features of intersections or roadways along the Project alignment. However, implementation of MM TR-1 would reduce the impacts to a level less than significant; therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion.

During operation, area roadways would be returned to their pre-construction operation and traffic would not be impeded. Therefore, operation of the Project would result in no impact under this criterion.

- d) **Less Than Significant Impact with Mitigation Incorporated.** Within the City of Long Beach, the South Los Angeles County disaster routes map identifies the I-405 (north of the project area) and Pacifica Coast Highway (southwest of the project area) as a primary disaster route and Bellflower Boulevard as a secondary disaster route (Los Angeles County, n.d.). The City of Seal Beach's Evacuation Plan (2018) identifies the I-405 and SR 22 as possible evacuation routes (City of Seal Beach, 2018). During construction, lane and short-term roadway closures may be necessary and temporary detours may be required. These closures could temporarily affect access to adjacent properties and could result in traffic delays. However, a TCP would be implemented by the contractor to address temporary impacts to vehicles and pedestrians, and would allow access in case of emergencies. Coordination with local emergency services in both Long Beach and Seal Beach would be conducted as part of the TCP so that adequate emergency access is maintained throughout construction. The Project would implement MM TR-1, which requires the preparation and approval of a standard traffic control plan; thus, construction of the Project would not impede or limit access to any disaster route. Implementation of MM TR-1 would reduce the impacts to a level less than significant.

Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion.

During operation, area roadways would be returned to their pre-construction operation and emergency access would not be impeded. Therefore, operation of the Project would result in no impact under this criterion.

**Transportation Mitigation Measures**

**MM TR-1: Prepare Standard Traffic Control Plan (TCP).** During the final engineering phase and at least 30 days prior to construction, a construction TCP shall be prepared by the contractor and reviewed and approved by the lead agency. All traffic control plans shall be provided to the City of Seal Beach and Caltrans for review. In addition, coordination with Caltrans shall occur regarding the Project’s need for any Caltrans permits.

The lane/street closures in the construction TCP shall be coordinated between the construction contractor, private businesses, public transit and bus operators, emergency service providers, and residents to minimize construction-related vehicular traffic impacts. During planned closures, traffic shall be re-routed to adjacent streets via clearly marked detours and notice shall be provided in advance to applicable parties (nearby residences, emergency service providers, public transit and bus operators, businesses, and organizers of special events). The TCP shall identify proposed closure schedules and detour routes, as well as construction traffic routes, including haul truck routes, and preferred delivery/haul-out location and hours to avoid heavily congested areas during peak hours, where feasible.

**4.18 Tribal Cultural Resources**

This section analyzes whether the Project would impact tribal cultural resources and documents notification of Native American Tribal representatives and consultation that occurred.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XVIII. TRIBAL CULTURAL RESOURCES.</b> Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code §21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code §5020.1(k), or	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code §5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code §5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Impacts Analysis**

On April 6, 2023, the City of Long Beach initiated Assembly Bill (AB)-52 (2014) consultation by sending Project notification letters to the tribal representatives of the Gabrieleno Band of Mission Indians – Kizh Nation, the Gabrielino Tongva Indians of California Tribe, the Gabrielino/Tongva San Gabriel Band of Mission Indians, the Gabrielino/Tongva Nation, Gabrielino-Tongva Tribe, the Juaneño Band of Mission Indians Acjachemen Nation, the Juaneno Band of Mission Indians Acjachemen Nation 84A, the Santa Rosa Band of Cahuilla Indians, and the Soboba Band of Luiseno Indians. Responses from representatives of three of the contacted tribes requesting consultation with the City of Long Beach under AB-52 (2014) were received as of August 30, 2023.

The Gabrieleno Band of Mission Indians – Kizh Nation Chairperson, Andrew Salas, requested a consultation meeting on April 6, 2023. The consultation meeting was conducted on July 13, 2023. The tribal representative provided mitigation measures to the City of Long Beach on August 2, 2023. See Tribal Cultural Resources Mitigation Measures.

Per request, a virtual meeting was conducted with the Gabrielino Tongva Indians of California Tribe (GTIOC) Tribal Consultation and Administrator, Christina Conley, on April 13, 2023, during which Ms. Conley stated that the mitigation measures included in the AB 52 consultation letter were adequate. Ms. Conley provided mitigation measures to the City of Long Beach and transmitted a copy of the GTIOC’s Tribal Cultural Resources Treatment Plan on April 14, 2023, and specified that if there is more than one interested Tribe for the project, a monitoring rotation may be implemented so that all interested tribes have equity in representation. The GTIOC treatment plan includes provisions for “a qualified and certified indigenous tribal member of the Gabrielino Tongva Indians of California and direct lineal descendant of the project site (NAGPRA section 10.14) to provide the professional Native American Monitoring required for only the ground disturbing activity on the site”. The GTIOC treatment plan also states that if a culturally sensitive area is identified during consultation, archaeological survey must be completed before any movement of soil takes place; however, due to surface development throughout the project area, pedestrian survey would not assist in identifying potential sensitive areas, and as such, survey would not be required prior to the commencement of ground disturbance. See Tribal Cultural Resources Mitigation Measures.

The City of Long Beach met with Charles Alvarez, representative for the Gabrielino-Tongva Tribe, on April 13, 2023. During this meeting, Mr. Alvarez stated that the mitigation measures included in the AB 52 consultation letter were adequate. Mr. Alvarez also provided a copy of the GTIOC treatment plan to the City of Long Beach in a closing consultation letter/e-mail.

The Juaneno Band of Mission Indians Acjachemen Nation – Belardes President, Joyce Perry, communicated via electronic correspondence on April 28, 2023, and requested to be included in continuing AB 52 consultation on the Project. Ms. Perry also asked that a copy of the CHRIS records search results be sent and requested that a mitigation measure requiring the presence of a Native American monitor representing the Juaneno Band of Mission Indians – Acjachemen Nation – Belardes during ground disturbing activities be adopted due to the sensitivity of the Project area to the Juaneno Band of Mission Indians. Ms. Perry did not request a consultation meeting but did reiterate the Project area’s sensitivity and the previous request that a mitigation measure requiring the presence of a Native American (Juaneno) monitor during ground disturbing activities be adopted via subsequent electronic correspondence on May 30, 2023. See Tribal Cultural Resources Mitigation Measures.

The Santa Rosa Band of Cahuilla Indians Tribal Chair, Lovina Redner, did not respond; therefore, consultation was not undertaken.

Consultation with interested tribes has determined that the Project area is considered sensitive for tribal cultural resources. Thus, tribal cultural resources mitigation measures, in accordance with the tribes’ request and as outlined in the GTIOC Tribal Cultural Resources Treatment Plan (GTIOC 2023), will be implemented as part of the Project.

#### **Tribal Cultural Resources Mitigation Measures**

***Mitigation measure TCR-1, MM TCR-2, and MM TCR-3 were provided by the Gabrieleño Band of Mission Indians – Kizh Nation and apply to the monitoring and treatment by this tribe:***

**MM TCR-1: Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities.**

The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians – Kizh Nation. The monitor shall be retained prior to the commencement of any “ground-disturbing activity” for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). “Ground-disturbing activity” shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching.

A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the earlier of the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity.

The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or “TCR”), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe.

On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh TCRs.

**MM TCR-2: Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial).**

Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe’s sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural and/or historic purposes.

**MM TCR-3: Unanticipated Discovery of Human Remains and Associated Funerary or Ceremonial Objects.**

Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in Public Resources Code Section 5097.98, are also to be treated according to this statute.

If Native American human remains and/or grave goods are discovered or recognized on the project site, then Public Resource Code 5097.9 as well as Health and Safety Code Section 7050.5 shall be followed.

Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2).

Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods.

Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.

***Mitigation measure TCR-4, MM TCR-5, and MM TCR-6 were provided by the Gabrielino Tongva Indians of California (GTIOC) and apply to the monitoring and treatment by this tribe:***

**MM TCR-4: Retain a Native American Monitor.** A qualified and certified indigenous tribal member of Gabrielino Tongva Indians of California (GTIOC) and direct lineal descendant of the project site (NAGPRA section 10.14) to provide the professional Native American Monitoring required for only the ground disturbing activity on the site. Ground disturbances including but not limited to the removal of asphalt/cement/slurry, trenching, boring, excavation, auguring, grubbing, tree removal, grading and drilling will be monitored. The Tribal Monitor will only be required on site when these ground disturbing activities occur.

The GTIOC monitor will be responsible for observing all mechanical and hand labor excavations to include paddle scrapers, blade machines, front-end loaders, back hoe, boring and drill operations as well as hydraulic and electric chisels. Associated work using tools such as picks and other non-electric or gasoline tools that are not regarded as mechanical will be monitored for their soil disturbances.

Soils that are removed from the work site are considered culturally sensitive and are subject to inspection. These soils whether placed in a dump truck or spots piles are to be inspected. The monitor will temporarily hold excavations until a determination is made on the sensitivity of the of the soil. If the soils are sensitive, an archeological monitor will verify the find and notify site supervisor.

If any archaeological or paleontological, or cultural deposits, are discovered, including but not limited grave related artifacts, artifacts of traditional cultural, religious, or spiritual sites, or any other artifacts relating to the use or habitation sites, all construction shall cease within at least 50 feet of the discovery and held until the proper authorities are contacted.

The GTIOC monitor may make recommendations during the course of the project when a cultural area has been impacted. The GTIOC monitor will be authorized to halt or redirect excavation activities to another area as an assessment is made. Both archeological and GTIOC will work together to insure that the area is warranted as being culturally sensitive before a determination is made. Avoidance and directing an alternative route from this culturally sensitive area is highly recommended.

Any artifacts associated within the site that are not associated with any burials are subject to collection by the designated archaeologist for purposes of data and information vital for their final report. The GTIOC monitor does not collect artifacts for any reason. Unauthorized removal of artifacts will jeopardize sites orientation and successful data recovery. Only a qualified archeologist will remove artifacts for their reports. The land owner will work with the GTIOC monitor to ensure that a proper repository is established. A final report will be issued to the cultural consultant by the archeological company.

It is the sole responsibility of the GTIOC monitor to provide the client with a written daily field report that includes photos of his/her accounting of the soil disturbances of the daily activities. This perspective of the daily activities by the GTIOC monitor will enhance the information gathered by the field archeologist. The daily report will include observations the GTIOC visually observed the project site at the beginning of each work day (i.e. weather conditions, overnight disturbances). Written daily monitoring reports will include daily observations on surface soil as well as disturbed soil. Photographic documentation is included in the daily reports. When project is completed, GTIOC will certify that work performed was done so within compliance of AB52 and SB18 within 5 days of completion of the Native American monitoring aspect of the project.

**MM TCR-5: Procedures for the treatment and disposition of human remains and associated grave goods at Gabrielino Tongva ancestral sites.** Treatment plan for human remain discovery. The immediate cessation of work in the immediate vicinity will be implemented. The county coroner will be immediately contacted. California Health and Safety Code Sec. 7050.5 (a) Every person who knowingly mutilates or disinters, wantonly disturbs, or willfully removes any human remains in or from any location other than a dedicated

cemetery without authority of law is guilty of a misdemeanor, except as provided in Section 5097.99 of the Public Resources Code.

The county coroner and law enforcement, will evaluate and make a determination and a formal review of the find. The county coroner has the legal responsibility for determining whether or not the remains are native indigenous people.

If it is established that the remains are of native indigenous people, the coroner has 24 hours to contact the Native American Heritage Commission (NAHC).

A Most Likely Descendent (MLD) will be assigned by the NAHC to ensure the ancestor(s) will be treated with dignity and respect and shall complete their inspection and make recommendations or preferences for treatment within 48 hours (California Public Resources Code Sec. 5097.98).

*\*\*\*The MLD may not be a Native American Monitor assigned to monitor the site where human remains were unearthed. GTIOC deems that to be a conflict of interest.\*\*\**

A certified osteologist will be retained to verify the human remains authenticity and work to help remove the ancestor(s) from the site area with the discretion and advise from the MLD. The GTIOC monitor(s) assigned to the project will assist the osteologist and archeological monitors in the recovery process. The MLD will determine where the ancestors will be housed pending a final decision for the reinterment of the ancestor(s).

Confidentiality. Any and all information provided about the location of an archeological or sacred site by our GTIOC cultural consultant will not be disclosed reproduced both digitally or on paper. Furthermore, the location must not be published for public viewing which includes any reports either preliminary or final and must be kept confidential to maintain the integrity and compliance of the archeological or sacred site.

**MM TCR-6: Recovery and Reburial Procedures.** The Gabrielino Tongva Indians of California (GTIOC) has a goal to ensure your project falls under the compliancy guidelines that have been established by Assembly Bill 52. GTIOC is recognized by the Native American Heritage Commission and is fully qualified for the intricacies of Recovery and Reburial. In addition, we want to preserve our family's human remains and associated grave goods at ancestral sites while engaging in a meaningful and productive relationship with your team. We appreciate the opportunity to work with you in accomplishing the aforementioned.

Specific methods of recovery and reburial procedures have been developed and adopted by the Gabrielino Tongva Indians of California and are required to adhere to when recovering Gabrielino Tongva remains. Conditions may arise where altering some of these guidelines will be considered. Consultation with the Most Likely Descendant (MLD) and the GTIOC monitor(s) assigned to the site should then be scheduled to determine other procedures that may be acceptable to the Gabrielino Tongva Indians of California Nation.

Excavation:

1. Consultation between the MLD and the archeological firm must take place before the recovery of the remains and during the process of extraction.
2. A 50 foot perimeter for each uncovered burial will be required to safeguard further destruction until the area is examined for additional remains and associated grave goods.
3. In the event blade machines are operating in an adjacent area, a maximum of 2" cuts or less will be permitted in all cultural areas.
4. If more than one area is being excavated for extraction of remains simultaneously, an additional GTIOC must be required. Each excavated burial will be monitored exclusively.

5. Wooden tools are preferred for process of recovery; electric chisels and other power tools should be avoided.
6. If remains are pedestaled, they will be placed on plywood for removal. If remains cannot be pedestaled due to soil conditions, remains just be carefully placed in cloth bags.
7. Soils adjacent to burials will be saved for reburial in plastic containers.
8. No photography (both film and digital) or video is allowed to be taken of the remains or the site. Drawings of remains are permitted to retain the orientation of the ancestors for reinterment purposes only. Coroner photographs of the remains may not be published for any purpose.

Testing:

1. DNA testing cannot be undertaken.
2. No invasive testing which would compromise the integrity of the remains is permitted.
3. Macroscopic analysis is permitted.
4. Any associated grave goods (such as shell) may be used for dating purposes of each burial.
5. When remains are unearthed, the 1'X 1' test pits will be allowed to establish the extent of the burial area when necessary.
6. All windows within a 50 foot area must be screened (either wet or dry).

Storage:

1. Natural cotton bags and sheeting or cotton drop cloths will be used to store remains until the time of reinterment. Deer or other native hides may be used to cover the bagged and wrapped remains until the reburial and may become the burial wrapping.
2. Bone fragments are also subject to be bagged in cotton.
3. Until the scope of the project is completed, storage of ancestors should be done in close proximity to location of excavation or protected area must be provided by landowner or archeologist.

Reburial:

1. Efforts should be made to keep the remains within the same location or in close proximity to the removal site as possible. It is preferable to repatriate the remains within a 1/2 mile radius of the original grave site. If it is not possible to identify a proper location within the 1/2 mile radius, a secure location will be valued over distance.
2. If the preponderance of remains is uncovered in or excavated from one area, the reinterment should be in that area.
3. The reburial site should offer the best long-term protection against any additional disturbances.
4. Each reburial requires approximately 4' X 5 1/2' when fully articulated and should be at a depth of 6-10 feet. The purpose of this depth is to ensure difficulty in disturbing the reburial and to allow adequate room for capping if necessary.
5. Any isolated bone fragments uncovered on site may be buried together in an individual burial pit with indigenous animal skins, sea weed, or the cotton cloth used for all bagged fragments.
6. All associated grave goods and artifacts along with soils will be buried together with the ancestors.

7. No drawings of any other images of ancestral remains may be used for publication without consultation and the approval of the GTIOC monitors and appointed MLD for the site.

Costs:

1. The landowner(s) will be responsible for all costs related to the proper storage and reburial of remains excavated on their property to include all burial materials as required in these procedure guidelines.
2. Landowner(s) will be financially responsible for providing reburial plots that are acceptable by the MLD.

***Mitigation measure TCR-7 was agreed to by the Juaneno Band of Mission Indians Acjachemen Nation – Belardes and apply to the monitoring and treatment by this tribe:***

**MM TCR-7: Native American Monitoring.** A Native American monitor from the tribe or tribes identified as a consulting party for the project under AB 52 shall be present during all earth-moving construction activities. The Native American monitor shall be given the opportunity to participate in the cultural resources sensitivity training described in the CUL-1 mitigation measure. At least 30 days prior to issuance of grading permits by the City of Long Beach for each of the individual sites and any off-site improvements, a Native American Monitoring Agreement (Monitoring Agreement) shall be developed between the City and responsible agency, as applicable, and the consulting party. The Monitoring Agreement shall pertain to prehistoric archaeological resources and Tribal cultural resources, respectively, and shall identify any monitoring requirements and treatment of cultural resources to meet both the requirements of CEQA and those of the Tribal representative. The Monitoring Agreement shall also address communication protocols in the event of an unanticipated discovery of cultural materials, and the roles, responsibilities, and authorities of the Native American Monitor. The Monitoring Agreement shall also detail the protocols for treatment and final disposition of any Native American cultural resources, sacred sites, and human remains discovered on the site that the Native American Monitor shall implement in consultation and coordination with the Native American Most Likely Descendant, as identified by the NAHC. In accordance with the mitigation measure below, discovery and treatment of human remains shall comply with State Health and Safety Code Section 7050.5 and PRC Section 5097.98.

- a) **Less Than Significant with Mitigation Incorporated.** Although the area is considered to the interested tribes as sensitive, tribal consultation did not result in the identification of any known tribal cultural resources, listed or unlisted, within the Project area; furthermore, AZTEC's background research did not identify any previously documented historical properties or archaeological resources within the Project area. During construction, ground disturbance would be limited to the extent of previous development within the paved roadway and would not impact existing residential structures or properties along the proposed alignment; additionally, per MM TCR-1 , MM TCR-4, and MM TCR-7 (above), a Native American monitor would be required for all ground disturbing activities, per tribal request, and per MM TCR-3, MM TCR-5, and MM TCR-7 inadvertent discoveries would be assessed and documented. Implementation of MM TCR-1 through MM TCR-7 during construction would reduce the potential impacts to previously undocumented tribal cultural resources that may be present within the Project area. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion. During operation, the pipeline would operate underground and normal operations would not generate ground disturbance nor would operations affect the visual environment in such a way that would detract from a property's California or National Register eligibility. Therefore, operation of the Project would result in no impact under this criterion.
- b) **Less Than Significant with Mitigation Incorporated.** No significant resources were identified within the Project area by interested tribes, and none were identified during AZTEC's background research. During construction, ground disturbance would be limited to the extent of previous development within the paved

roadway and would not impact any known resources, as none are present along the proposed alignment. Mitigation Measures TCR-1 through MM TCR-7 would be employed if any archaeological, paleontological, or cultural deposits are discovered (including but not limited to grave related artifacts, artifacts of traditional cultural, religious, or spiritual nature, or any other artifacts relating to use or habitation). Implementation of MM TCR-1 through MM TCR-7 during construction would reduce the potential impacts to previously undocumented tribal cultural resources that may be present within the Project area. Therefore, construction of the Project would result in less than significant impact with mitigation incorporated under this criterion. During operation, the pipeline would operate underground and normal operations would not generate ground disturbance nor would operations affect the visual environment in such a way that would detract from a property’s historic significance. Therefore, operation of the Project would result in no impact under this criterion.

#### 4.19 Utilities and Service Systems

The Utilities and Service Systems section evaluates the Project’s impacts on utilities and provision of municipal waste management services. Specifically, the section analyzes whether the Project would trigger the need for additional facilities or whether capacity exists to support the Project.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XIX. UTILITIES AND SERVICE SYSTEMS.</b> Would 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 effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### Impacts Analysis

- a) **No Impact.** The Project is the installation of a RW pipeline and does not require or result in the relocation of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which would cause significant environmental effects. Therefore, construction and operation of the Project would result in no impact under this criterion.

- b) **No Impact.** The Project is the installation of a pipeline to transmit recycled water to the Haynes Generating Station. A minor amount of water may be used by the Project during construction (e.g., dust control) and/or for compaction of the backfill which would be supplied from existing, sufficient local supplies. The Project does not require an external source of water to operate. Sufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, dry, and multiple dry years. Therefore, construction and operations of the Project would result in no impact under this criterion.
- c) **No Impact.** The Project would not generate wastewater during construction or operation and would generate no demand on wastewater treatment providers. Implementation of the Project would not result in a determination by the wastewater treatment provider that serves or may serve the proposed Project that it has inadequate capacity to serve the proposed Project's projected demand in addition to the provider's existing commitments. This analysis of the treatment plant capacities were performed as a part of LBUD's master planning efforts and there is adequate capacity. Therefore, construction and operation of the Project would result in no impact under this criterion.
- d) **No Impact.** During construction, the Project would generate solid waste from demolition of portions of existing roadway and medians, primarily asphalt and concrete. Disposal of construction-related solid waste would follow existing local, state, and federal regulations and requirements. The Project would not generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals. No waste would be generated during operation of the Project. Therefore, construction and operation of the Project would result in no impact under this criterion.
- e) **No Impact.** The proposed Project would comply with federal, state, and local management and reduction statutes and regulations related to solid waste. Therefore, during construction and operation, the Project would result in no impact under this criterion.

#### 4.20 Wildfire

The Wildfire section evaluates the impact of the Project on wildfire risk and effects of wildfire on the Project area.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XX. WILDFIRE.</b> 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- 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?
- 

### Impacts Analysis

- a) **No Impact.** A review of the Los Angeles County Fire Hazard Severity Zone map (State of California, 2022a) and the Orange County Fire Hazard Severity Zones map (State of California, 2022b) indicates that the Project is not located in or near a state responsibility area or land classified as very high hazard severity zone. The Project would not substantially impair an adopted emergency response plan or emergency evacuation plan. Therefore, construction and operation of the Project would result in no impact under this criterion.
- b) **No Impact.** A review of the Los Angeles County Fire Hazard Severity Zones map (State of California, 2022a) and the Orange County Fire Hazard Severity Zones map (State of California, 2022b) indicates that the Project is not located in or near a federal or state responsibility area or land classified as very high hazard severity zone. The Project would not, 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. Therefore, construction and operation of the Project would result in no impact under this criterion.
- c) **No Impact.** A review of the Los Angeles County Fire Hazard Severity Zones map (State of California, 2022a) and the Orange County Fire Hazard Severity Zones map (State of California, 2022b) indicates that the Project is not located in or near a federal or state responsibility area or land classified as very high hazard severity zone. The Project would not 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. Therefore, construction and operation of the Project would result in no impact under this criterion.
- d) **No Impact.** A review of the Los Angeles County Fire Hazard Severity Zones map (State of California, 2022a) and the Orange County Fire Hazard Severity Zones map (State of California, 2022b) indicates that the Project is not located in or near a federal or state responsibility area or land classified as very high hazard severity zone. The Project would not 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. Therefore, construction and operation of the Project would result in no impact under this criterion.

#### 4.21 Mandatory Findings of Significance

This section includes questions designed to establish whether the Project has effects significant enough to impact the environment negatively. It also addresses the issues of short-term versus long-term environmental goals and cumulative impacts of past, other current, and reasonably foreseeable projects.

Issues	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XXI. MANDATORY FINDINGS OF SIGNIFICANCE.</b>				
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 a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Impacts Analysis**

a) **Less Than Significant Impact with Mitigation Incorporated.** Based on the foregoing analysis and commitments, the Project would not have the potential to 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, or substantially reduce the number or restrict the range of a rare or endangered plant or animal. As discussed in Section IV, Project construction activities occurring during the nesting bird season could indirectly impact birds protected under the Migratory Bird Treaty Act; and ground disturbing Project activities could impact burrowing owls. As a result of coordination with CDFW, the biological resources mitigation measures have been revised to incorporate inclusive language for the burrowing owl, Crotch’s bumble bee, and monarch butterfly. Thus, implementation of MM BIO-1 through MM BIO-3 would reduce potential impact to nesting migratory birds and burrowing owls to less than significant.

No cultural resources have been recorded within or directly adjacent to the Project area and the larger Project vicinity has been subjected to survey, testing/excavation, and limited construction monitoring. However, there is a possibility that previously undocumented archaeological or cultural resources, as well as human remains may be encountered during construction. Implementation of MM CUL-1, MM CUL-2, MM CUL-3, as well as MM TCR-1 through MM TCR-7, would reduce potential impacts to unknown archaeological and cultural resources qualifying as historical resources to less than significant. Thus, the Project would not have the potential to eliminate important examples of major periods of California history or prehistory. Therefore, construction and operation of the Project would result in less than significant impact with mitigation incorporated under this criterion.

b) **Less Than Significant Impact.** The combined effects of two or more projects that are closely related geographically (within the same vicinity or greater region) and in time (recently completed projects, projects currently under construction, and/or projects anticipated to be constructed in the near-term future) could result in a significant environmental impact. When a project would result in no impact related to an

environmental factor, there would be no potential for the project to contribute to a significant effect created by the combined impacts of closely related projects.

The analysis in this IS/MND determined that the Project would result in no impacts to agriculture and forestry resources, land use and planning, mineral resources, population and housing, recreation, utilities and service systems, and wildfire thresholds. Thus, no cumulatively considerable impacts are anticipated with these resources.

The analysis in this IS/MND also determined that less than significant impacts would occur related to aesthetics, energy, greenhouse gas emissions, and hydrology and water quality. Based on the analysis in this IS/MND, the above resources would have short-term and less than significant impacts during construction but would not make a cumulatively considerable contribution to a more widespread impact in conjunction with existing and past uses in the area or future projects.

Impacts related to air quality, biological resources, cultural resources, geology and soils, hazards and hazardous materials, noise, public services, transportation and tribal cultural resources were determined to be potentially significant and would require mitigation to reduce impacts to a less than significant level. These potentially significant impacts would occur during construction and would cease once construction of the Project is complete. Therefore, potentially significant impacts from construction activities would be temporary in nature and within a previously disturbed and developed area (the ROW of existing roadways); and thus, would not contribute to long-term cumulative impacts in the region.

The Project is consistent with the Cities of Long Beach and Seal Beach transportation strategies and would comply with the goals and policies of the respective City's General Plan, the City's Municipal Code, as well as State and Federal laws and regulations. Overall, through implementation of the Project mitigation measures, the Project's design, as well as the City's goals and policies, the Project would not add appreciably to impacts of any cumulative projects that could result in a significant cumulative impact. Therefore, construction and operation of the Project would result in less than impact under this criterion.

- c) **Less Than Significant Impact.** As discussed within the IS/MND, the Project would not have any substantial adverse effects on the environment, including human beings, either directly or indirectly. The Project would have no impact or less than significant impacts, some with the implementation of mitigation measures. For resources where mitigation measures have been prescribed, any significant impacts would be reduced to a level less than significant. Furthermore, construction-related impacts would be short-term and temporary in nature. Overall, no adverse significant environmental impacts would result from the Project activities. Thus, construction and operation of the Project would result in less than significant impact under this criterion.

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*Note: N.D. = No Date*

## **APPENDICES**

**APPENDIX A**

**Air Quality and GHG Technical Memorandum**

**LADWP Haynes Generating Station Recycled Water Pipeline Project**

**December 22, 2023**

**Long Beach Utilities Department/  
Los Angeles Department of Water and Power  
Haynes Generating Station Recycled Water  
Pipeline Project**

**Air Quality and Greenhouse Gas  
Technical Memorandum**

**December 22, 2023**

**Lead Agency:**

Long Beach Utilities Department  
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**APPENDICES**

Appendix A: CalEEMod Results

## ACRONYMS AND DEFINITIONS

AAM	Annual Arithmetic Mean
AB	Assembly Bill
AQ	Air Quality
AQMP	Air Quality Management Plan
AZTEC	AZTEC Engineering Group, Inc.
CA	California
CAA	Clean Air Act
CAAP	Climate Change Action and Adaptation Plan
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CH <sub>4</sub>	methane
CML&EC	cement mortar-lined and epoxy-coated
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
DR	dimension ratio
EO	Executive Order
ft	feet
GHG	greenhouse gas
HDPE	high-density polyethylene
HFC	hydrofluorocarbons
HGS	Haynes Generating Station
I-405	Interstate 405
in	inch
IPCC	Intergovernmental Panel on Climate Change
LADWP	Los Angeles Department of Water and Power
LBUD	Long Beach Utilities Department
LCFS	low carbon fuel standard
LST	localized significance threshold
MT	metric ton
NAAQS	National Ambient Air Quality Standards
N <sub>2</sub> O	nitrous oxide
NO <sub>2</sub>	nitrogen dioxide
NO <sub>x</sub>	nitrogen oxides
O <sub>3</sub>	ozone
PFC	perfluorinated chemical
PM <sub>10</sub>	coarse particulate matter; particles of 10 micrometers and smaller
PM <sub>2.5</sub>	fine particulate matter; particles of 2.5 micrometers and smaller

ppm	parts per million
ROG	reactive organic gases
ROW	right-of-way
RPS	renewable portfolio standard
RW	recycled water
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SF <sub>6</sub>	sulfur hexafluoride
SIP	State Implementation Plan
SLCP	short-lived climate pollutant
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	sulfur oxides
SR 22	State Route 22
VOC	volatile organic compounds
WSP	welded steel pipe
U.S. EPA	United State Environmental Protection Agency
mg/m <sup>3</sup>	milligrams per cubic meter
µg/m <sup>3</sup>	micrograms per cubic meter

## INTRODUCTION

This Air Quality and Greenhouse Gas (GHG) Technical Memorandum has been prepared to analyze the regional and localized air quality impacts from construction and operation of the proposed Long Beach Utilities Department (LBUD)/Los Angeles Department of Water and Power (LADWP) Haynes Generating Station (HGS) Recycled Water (RW) Pipeline Project (hereafter referred to as “Project”).

In this analysis, the following information is provided for the Project: project description; physical setting of the project study area; the regulatory framework for air quality and climate change; monitoring data on existing air quality and evaluation of potential air quality impacts associated with Project construction and operation; and recommended mitigation measures to reduce air quality impacts to the extent feasible.

## PROJECT LOCATION AND DESCRIPTION

### 2.1 Project Location

The Project is located southwest of Interstate 405 (I-405) and north of State Route 22 (SR 22) in the southeastern portion of Long Beach, Los Angeles County and the western portion of Seal Beach, Orange County (Figure 1). The Project site encompasses the following roadways: Atherton Street, Studebaker Frontage Road, Studebaker Road, Studebaker Access Road / SR 22 off-ramp, College Park Drive, and SR 22 (Figure 2).

### 2.2 Project Description

The Project would be constructed within previously disturbed areas supporting numerous existing structures and subsurface utilities, City and State roadways, and associated surface improvements (i.e., paving, landscaping, and above-ground utilities).

The purpose of the Project is to install an RW main to serve LADWP’s Haynes Generating Station located in the City of Long Beach, California. The Project would provide recycled water to the Haynes Generating Station to meet the needs of the future cooling process and to maximize the use of RW supply.

The Project would include construction of a contiguous RW pipeline composed of six segments of 12- to 24-inch (in) high-density polyethylene (HDPE) as described below and as depicted in Figure 3 (Carollo, 2022):

- Construction – new RW pipelines

A total of six new RW pipeline segments would be constructed within existing roadway right-of-way as follows:

- Within the City of Long Beach, a total of 1.30 miles of RW pipeline would be installed:
  - Segment RW 1-11. This segment would start at the connection with the existing LBUD RW supply pipeline located just immediately west of the intersection of Atherton Street and Studebaker Road. This segment would be constructed south from the intersection within the Studebaker Frontage Road until the road ends in a cul-de-sac (near E Anaheim Road) within the City of Long Beach.
    - Approximately 22 linear feet (ft) of 12-in HDPE Class dimension ratio (DR) 17 pipe, beginning at an existing LBUD 21-in diameter RW pipe within Atherton Street, and terminating within the sidewalk on the southwest corner of Atherton Street and Studebaker Frontage Road within the road’s right-of-way.
    - Approximately 2,712 linear ft of 24-in HDPE Class DR 17 pipe, beginning at the sidewalk of Atherton Street and Studebaker Frontage Road within the road’s right-of-way, and continuing south along the Studebaker Frontage Road to approximately E Anaheim Road.
  - Segment RW 1-10. This segment would begin at the end of Segment RW 1-11, where Studebaker Frontage Road ends in a cul-de-sac (near E Anaheim Road), and would be constructed within the road’s

right-of-way, then would continue within Studebaker Road to the intersection of College Park Drive and Studebaker Access Road / SR 22 off-ramp within the City of Long Beach.

- Approximately 1,440 linear ft of 24-in HDPE Class DR 17 pipe would be constructed.
- Segment RW 1-12. This segment would begin at the end of Segment RW 1-10, near the intersection of College Park Drive and Studebaker Access Road / SR 22 off-ramp and would be constructed within the existing Studebaker Access Road / SR 22 off-ramp ROW to near the intersection of Salida Avenue and College Park Drive within the City of Long Beach.
  - Approximately 1,356 linear ft of 24-in HDPE Class DR 17 pipe would be constructed.
- Segment RW 1-13. This segment would begin at the end of segment RW 1-12, near the intersection of Salida Avenue and College Park Drive, and would be constructed within College Park Drive to the west side of the College Park Drive bridge within the City of Long Beach.
  - Approximately 980 linear ft of 16-in HDPE Class DR 17 pipe would be constructed.
- Within the City of Long Beach and the City of Seal Beach:
  - Segment RW 1-14. This segment would begin at the end of segment RW 1-13, on the west side of the College Park Drive bridge, and would be attached to the north side of the College Park Drive bridge structure adjacent to existing water utilities within the City of Long Beach and the City of Seal Beach.
    - Approximately 337 linear ft of 16-in cement mortar-lined and epoxy-coated (CML&EC) welded steel pipe (WSP) would be attached to the bridge.
- Within the City of Seal Beach, a total of 0.15 miles of RW pipeline would be installed:
  - Segment RW 1-15. This segment would begin at the end of segment RW 1-14, on the east side of the College Park Drive bridge, and would be constructed within an existing paved access road and within College Park Drive, then continue south underneath SR 22 and SR 22 right-of-way to the tie-in on the HGS property within the City of Seal Beach.
    - Approximately 806 linear ft of 16-in HDPE Class DR 17 pipe would be constructed. Of the 806 linear ft, 249 linear ft of pipe would be placed within a 36-in micro-tunnel steel casing. The steel casing would be installed within a new tunnel (36-in diameter and 249 ft long) underneath SR 22. The steel casing would be installed at a depth of approximately 22-32 ft below existing ground (due to the variation in SR 22 elevation) and would require a pit to be dug on either side of SR 22. The receiving pit, dug on the north side of SR 22, would be 20 ft by 36 ft and dug at a depth of 22 ft below existing ground. The launch pit/jacking pit, dug on the south side of SR 22, would be 40 ft by 36 ft and dug at a depth of 21 ft below existing ground.

Figure 1 – Regional Location Map



Sources: CALTRANS NHS (2022); CALTRANS Tiger Lines (2019); ESRI World Hillshade (2021).  
 Alignment Source: Carollo, Preliminary Design Report: Updated Figure 2 (2022).

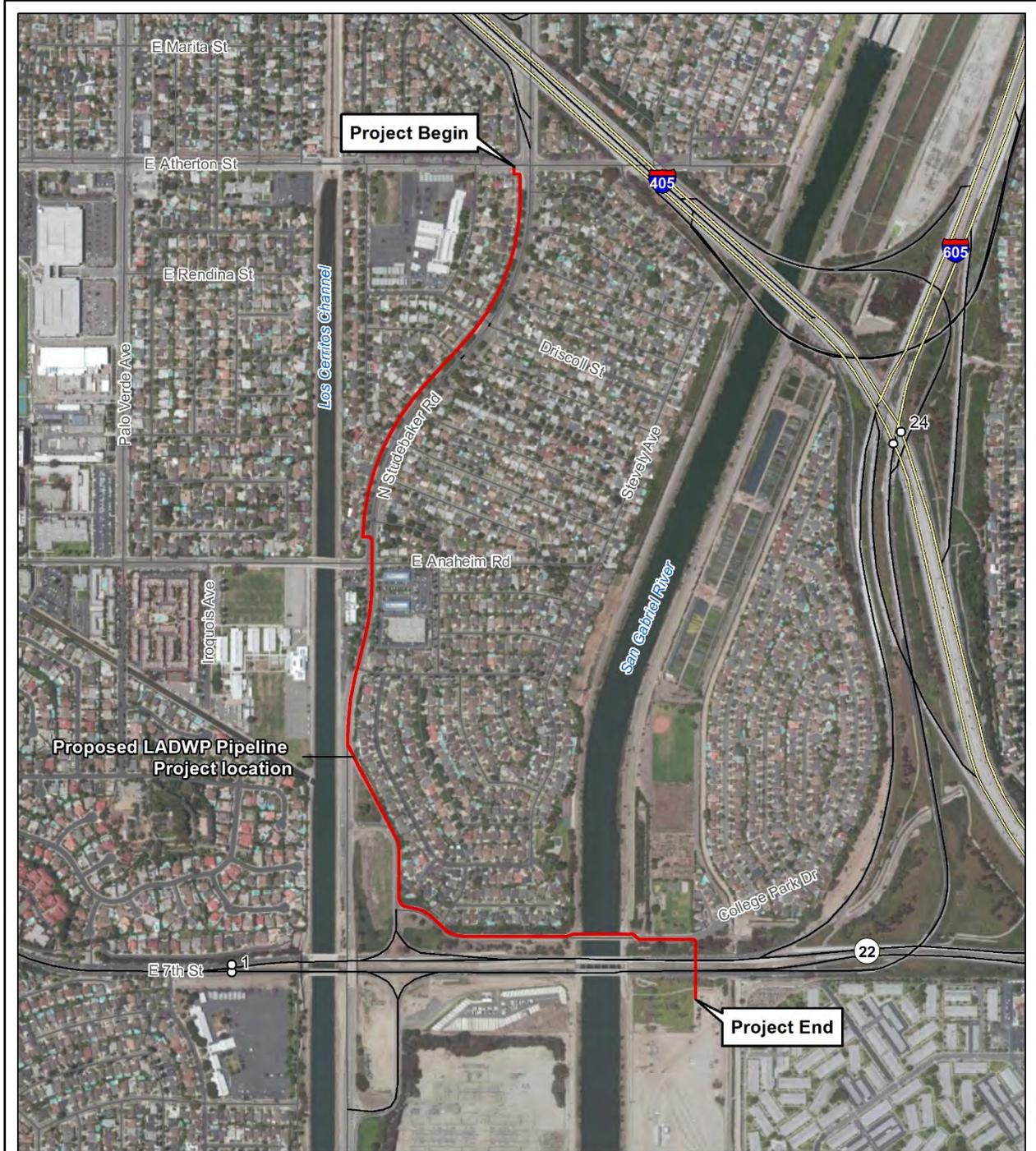
**AZTEC** **TYPSA**

Interstate	Watercourse	City of Long Beach
Local Roads	Project Alignment	City of Seal Beach
County Boundary		City of Los Alamitos
		Rossmoor

Map Disclaimer: This map is intended for general siting purposes only.

Miles  
 0 0.25 0.5

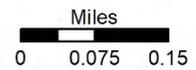
Figure 2 – Project Location Map



Sources: CALTRANS NHS (2013); CALTRANS Tiger Lines (2019); ESRI World Imagery (2021).  
 Alignment Source: Carollo, Preliminary Design Report: Updated Figure 2 (2022).



- Mileposts
- State Highway
- Interstate
- Project Alignment



Map Disclaimer: This map is intended for general siting purposes only.



## REGULATORY SETTING

### 3.1 Federal and California Clean Air Act

The Clean Air Act (CAA) is the primary federal law that governs air quality. These laws, and related regulations by the United States Environmental Protection Agency (U.S. EPA) and California Air Resources Board (CARB), set standards for the concentration of pollutants in the air. At the federal level, these standards are named National Ambient Air Quality Standards (NAAQS). NAAQS standards have been established for six transportation-related criteria pollutants that have been linked to potential health concerns: carbon monoxide (CO), nitrogen dioxide (NO<sub>2</sub>), ozone (O<sub>3</sub>), particulate matter, and sulfur dioxide (SO<sub>2</sub>). Particulate matter is broken down into coarse particulate matter (PM<sub>10</sub>) and fine particulate matter (PM<sub>2.5</sub>) for regulatory purposes. In addition, national standards exist for lead. The NAAQS standards are set at levels that protect public health, with a margin of safety, and are subject to periodic review and revision. Toxic air contaminants are covered as well.

The CAA requires the U.S. EPA to designate areas as attainment, nonattainment, or maintenance (previously nonattainment and currently attainment) for each criteria pollutant based on whether the NAAQS have been achieved. The federal standards are summarized in Table 1. The U.S. EPA has classified the South Coast Air Basin (SCAB) South Coast Air Basin (SCAB) as attainment/maintenance for CO, PM<sub>10</sub>, and NO<sub>2</sub> and nonattainment for O<sub>3</sub> and PM<sub>2.5</sub>. In addition, the Los Angeles County portion of the SCAB is in nonattainment for lead.

In California, the CAA is administered by the CARB at the state level and by the air quality management districts and air pollution control districts at the regional and local levels. The CARB became part of the California Environmental Protection Agency in 1991, is responsible for meeting the state requirements of the federal CAA, administering the California CAA, and establishing the California Ambient Air Quality Standards. The California CAA, as amended in 1992, requires all air districts in the state to endeavor to achieve and maintain California Ambient Air Quality Standards. California Ambient Air Quality Standards are generally more stringent than the corresponding federal standards and incorporate additional standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles.

CARB also regulates mobile air pollution sources, such as motor vehicles. CARB is responsible for setting emission standards for vehicles sold in California and other emission sources, such as consumer products and certain off-road equipment. CARB established passenger vehicle fuel specifications, which became effective in March 1996.

CARB oversees the functions of local air pollution control districts and air quality management districts, which, in turn, administer air quality activities at the regional and county levels. The state standards are also summarized in Table 1. The California CAA requires CARB to designate areas within California as either attainment or nonattainment for each criteria pollutant based on whether the California Ambient Air Quality Standards have been achieved. Under the California CAA, areas are designated as nonattainment for a pollutant if air quality data shows that a state standard for the pollutant was violated at least once during the previous 3 calendar years. Exceedances that are affected by highly irregular or infrequent events are not considered violations of a state standard and are not used as a basis for designating areas as nonattainment (CARB, 2016).

**Table 1. California and National Ambient Air Quality Standards**

Pollutant	Averaging Time	State Standards <sup>a,c</sup>	Federal Standards <sup>b</sup>	
			Primary <sup>c,d</sup>	Secondary <sup>c,e</sup>
O <sub>3</sub>	1 Hour	0.09 ppm (180 µg/m <sup>3</sup> )	–	–
	8 Hour	0.070 ppm (137 µg/m <sup>3</sup> )	0.070 ppm (137 µg/m <sup>3</sup> )	Same as Primary
PM <sub>10</sub> <sup>h</sup>	24 Hour	50 µg/m <sup>3</sup>	150 µg/m <sup>3</sup>	Same as Primary
	AAM <sup>f</sup>	20 µg/m <sup>3</sup>	–	Same as Primary
PM <sub>2.5</sub>	24 Hour	–	35 µg/m <sup>3</sup>	Same as Primary
	AAM <sup>f</sup>	12 µg/m <sup>3</sup>	12.0 µg/m <sup>3</sup>	Same as Primary
CO	1 Hour	20 ppm (23 mg/m <sup>3</sup> )	35 ppm (40 mg/m <sup>3</sup> )	–
	8 Hour	9.0 ppm (10 mg/m <sup>3</sup> )	9 ppm (10 mg/m <sup>3</sup> )	–
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m <sup>3</sup> )	–	–
NO <sub>2</sub>	AAM <sup>f</sup>	0.030 ppm (57 µg/m <sup>3</sup> )	0.053 ppm (100 µg/m <sup>3</sup> )	Same as Primary
	1 Hour	0.18 ppm (339 µg/m <sup>3</sup> )	0.100 ppm <sup>g</sup>	–
SO <sub>2</sub>	24 Hour	0.04 ppm (105 µg/m <sup>3</sup> )	–	–
	3 Hour	–	–	0.5 ppm (1,300 µg/m <sup>3</sup> )
	1 Hour <sup>j</sup>	0.25 ppm (655 µg/m <sup>3</sup> )	0.075 ppm (196 µg/m <sup>3</sup> )	–
Lead <sup>h</sup>	30 day Avg.	1.5 µg/m <sup>3</sup>	–	–
	Calendar Quarter	–	1.5 µg/m <sup>3</sup>	Same as Primary
	Rolling 3-month average <sup>i</sup>	–	0.15 µg/m <sup>3</sup>	
Visibility Reducing Particles	8 hour	Extinction coefficient of 0.23 per km – visibility ≥ 10 miles  ( 0.07 per km – ≥30 miles for Lake Tahoe)	<b>No Federal Standards</b>	
Sulfates	24 Hour	25 µg/m <sup>3</sup>		

Pollutant	Averaging Time	State Standards <sup>a,c</sup>	Federal Standards <sup>b</sup>	
			Primary <sup>c,d</sup>	Secondary <sup>c,e</sup>
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m <sup>3</sup> )		
Vinyl Chloride <sup>h</sup>	24 Hour	0.01 ppm (26 µg/m <sup>3</sup> )		

O<sub>3</sub> ozone; µg/m<sup>3</sup> – micrograms per cubic meter; ppm – parts per million; PM<sub>10</sub>: large particulate matter; PM<sub>2.5</sub>: fine particulate matter; CO: carbon monoxide; NO<sub>2</sub>: nitrogen dioxide; SO<sub>2</sub>: sulfur dioxide.

<sup>a</sup> California standards for O<sub>3</sub>, CO (except Lake Tahoe), SO<sub>2</sub> (1 and 24 hour), NO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and visibility reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded.

<sup>b</sup> National standards (other than O<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once a year. The O<sub>3</sub> standard is attained when the fourth highest 8-hour concentration in a year, averaged over 3 years, is equal to or less than the standard. For PM<sub>10</sub>, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m<sup>3</sup> is equal to or less than 1. For PM<sub>2.5</sub>, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over 3 years, are equal to or less than the standard. Contact U.S. EPA for further clarification and current federal policies.

<sup>c</sup> Concentration is expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

<sup>d</sup> National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

<sup>e</sup> National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

<sup>f</sup> Annual Arithmetic Mean

<sup>g</sup> To attain this standard, the 3-year average of the 98<sup>th</sup> percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 0.100 ppm.

<sup>h</sup> The CARB has identified lead and vinyl chloride as “toxic air contaminants” with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

<sup>i</sup> National lead standard, rolling 3-month average.

<sup>j</sup> On June 2, 2010, the U.S. EPA established a 1-hour primary standard for SO<sub>2</sub>. In the same action, the 24-hour and annual standards were revoked.

–: No Standard; ppm: parts per million; µg/m<sup>3</sup>: micrograms per cubic meter; mg/m<sup>3</sup>: milligrams per cubic meter.

Source: CARB, 2016.

### 3.2 California State Implementation Plan

Federal clean air laws require areas with unhealthy levels of ozone, inhalable particulate matter, carbon monoxide, nitrogen dioxide, and sulfur dioxide to develop plans, known as State Implementation Plans (SIPs). SIPs are comprehensive plans that describe how an area will attain NAAQS. The 1990 amendments to the Federal CAA set deadlines for attainment based on the severity of an area’s pollution problem. The promulgation of the national 8-hour ozone standard and the fine particulate matter (PM<sub>2.5</sub>) standards in 1997 resulted in additional statewide air quality planning efforts. In response to new federal regulations, SIPs also began to address ways to improve visibility in national parks and wilderness areas. SIPs are not single documents, but rather a compilation of new and previously submitted plans, programs, district rules, state regulations, and federal controls.

Many of California's SIPs rely on the same core set of control strategies, including emission standards for cars and heavy trucks, fuel regulations, and limits on emissions from consumer products. State law makes CARB the lead agency for all SIP-related purposes. Local air districts and other agencies prepare SIP elements and submit them to CARB for review and approval. CARB then forwards SIP revisions to the U.S. EPA for approval and publication in the Federal Register. The Code of Federal Regulations Title 40, Chapter I, Part 52, Subpart F, Section 52.220 lists all of the items included in the California SIP.

### **3.3 South Coast Air Quality Management District**

The 1977 Lewis Air Quality Management Act created the South Coast Air Quality Management District (SCAQMD) to coordinate air quality planning efforts throughout Southern California. This act merged four county air pollution control agencies into one regional district to better address the issue of improving air quality in Southern California. Under the act, renamed the Lewis-Presley Air Quality Management Act in 1988, SCAQMD is the agency principally responsible for comprehensive air pollution control in the region. Specifically, SCAQMD is responsible for monitoring air quality, as well as planning, implementing, and enforcing programs designed to attain and maintain state and federal ambient air quality standards in the district. Programs that were developed include air quality rules and regulations that regulate stationary sources, area sources, point sources, and certain mobile source emissions. SCAQMD is also responsible for establishing stationary source permitting requirements for stationary sources and ensuring that new, modified, or relocated stationary sources do not create net emission increases and, therefore, is consistent with the regional's air quality goals.

The Federal CAA requires areas not attaining the NAAQS to develop and implement an emission reduction strategy that would bring the area into attainment in a timely manner. The Air Quality Management Plan (AQMP) is the SCAQMD plan for improving regional air quality (SCAQMD, 2022) and it addresses Federal CAA requirements in addition to demonstrating attainment with state and federal ambient air quality standards. The AQMP is prepared by SCAQMD in collaboration with the Southern California Association of Governments and the CARB. The AQMP provides policies and control measures that reduce emissions to attain both state and federal ambient air quality standards by their applicable deadlines. Environmental review of individual projects within the SCAB must demonstrate that daily construction and operational emissions thresholds, as established by the SCAQMD, would not be exceeded. The environmental review must also demonstrate that individual projects would not increase the number or severity of existing air quality violations. The 2022 AQMP was adopted by the SCAQMD Governing Board on December 2, 2022, and it provides actions, strategies and steps needed to reduce air pollution emissions and meet ozone standards by 2037.

### **3.4 Climate Change**

Climate change refers to long-term changes in temperature, precipitation, wind patterns, and other elements of the earth's climate system. An ever-increasing body of scientific research attributes these climatological changes to GHG emissions, particularly those generated from the production and use of fossil fuels.

While climate change has been a concern for several decades, the establishment of the Intergovernmental Panel on Climate Change (IPCC) by the United Nations and World Meteorological Organization in 1988 has led to increased efforts devoted to GHG emissions reduction and climate change research and policy. These efforts are primarily concerned with the emissions of GHGs generated by human activity, including carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), tetrafluoromethane, hexafluoroethane, sulfur hexafluoride (SF<sub>6</sub>), HFC-23 (fluoroform), HFC-134a (1,1,1,2-tetrafluoroethane), and HFC-152a (difluoroethane).

In the U.S., the main source of GHG emissions is electricity generation, followed by transportation. In California, transportation sources (including passenger cars, light-duty trucks, other trucks, buses, and motorcycles) make up the largest source of GHG-emitting sources. The dominant GHG emitted is CO<sub>2</sub>, mostly from fossil fuel combustion.

There are three routes to reducing GHGs from transportation: increasing the efficiency of vehicle technology, changing how we travel and transport goods, and using lower-carbon fuels. We need all three to help achieve the societal goals on climate (U.S. EPA, 2023).

### **3.4.1 State Regulations**

#### **Assembly Bill 1493 – Light-duty Vehicle Greenhouse Gas Emissions Standards**

In a response to the transportation sector’s significant contribution to California CO<sub>2</sub> emissions, Assembly Bill (AB) 1493 was enacted on July 22, 2002. AB 1493 requires the CARB to set GHG emission standards for passenger vehicles and light duty trucks (and other vehicles whose primary use is noncommercial personal transportation in the State) manufactured in 2009 and all subsequent model years. These standards (starting in model years 2009 to 2016) were approved by the CARB in 2004, but the needed waiver of Clean Air Act Preemption was not granted by the USEPA until June 30, 2009. CARB responded by amending its original regulation, now referred to as Low Emission Vehicle III, to take effect for model years starting in 2017 to 2025 (CARB, 2023b).

#### **Executive Order S-3-05 – Statewide Greenhouse Gas Emission Targets**

Executive Order (EO) S-3-05 was signed by the Governor on June 1, 2005, which proclaimed that California is vulnerable to the impacts of climate change. To combat those concerns, the executive order established California GHG emissions reduction targets, which established the following goals:

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

This EO also directed the secretary of the California Environmental Protection Agency to oversee the efforts made to reach these targets and prepare biannual reports on the progress made toward meeting the targets, as well as the impacts to California related to global warming. The first such Climate Action Team Assessment Report was produced in March 2006 and has been updated every 2 years thereafter (Cal. Governor’s EO S-3-05, 2005).

#### **California Global Warming Solutions Act (Assembly Bill 32)**

In 2006, the California State Legislature enacted the California Global Warming Solutions Act of 2006, also known as AB 32. AB 32 focuses on reducing GHG emissions in California. GHGs, as defined under AB 32, include CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, and SF<sub>6</sub>.

AB 32 requires that GHGs emitted in California be reduced to 1990 levels by the year 2020. CARB is the state agency charged with monitoring and regulating sources of emissions of GHGs that cause global warming to reduce emissions of GHGs. AB 32 also requires that by January 1, 2008, CARB must determine what the statewide GHG emissions level was in 1990, and it must approve a statewide GHG emissions limit so it may be applied to the 2020 benchmark. CARB approved a 1990 GHG emissions level of 427 million metric tons (MT) of carbon dioxide equivalent (CO<sub>2</sub>e), on December 6, 2007, in its staff report. Therefore, in 2020, emissions in California are required to be at, or below, 427 million MT of CO<sub>2</sub>e.

Under the “business as usual” scenario established in 2008, statewide emissions were increasing at a rate of approximately 1 percent per year. It was estimated that the 2020 estimated “business as usual” of 596 million MT of CO<sub>2</sub>e would have required a 28-percent reduction to reach the 1990 level of 427 million MT of CO<sub>2</sub>e (CARB, 2022a).

#### **Senate Bill 97 – CEQA Greenhouse Gas Amendments**

SB 97, signed by the Governor in August 2007 (Chapter 185, Statutes of 2007; Public Resources Code, Sections 21083.05 and 21097), acknowledges climate change is a prominent environmental issue that requires analysis under CEQA. This bill directed the State Office of Planning and Research to prepare, develop, and transmit to the California

Resources Agency guidelines for mitigating GHG emissions or the effects of GHG emissions, as required by CEQA. The California Natural Resources Agency adopted the amendments to the State CEQA Guidelines in January 2010, which went into effect in March 2010.

The amendments do not identify a threshold of significance for GHG emissions, nor do they prescribe assessment methodologies or specific mitigation measures. The amendments encourage lead agencies to consider many factors in performing a CEQA analysis, but preserve the discretion granted by CEQA to lead agencies in making their own determinations based on substantial evidence. The amendments also encourage public agencies to make use of programmatic mitigation plans and programs when they perform individual project analyses (SB 97, 2007).

#### **Executive Order S-01-07**

This EO, signed by Governor Schwarzenegger on January 18, 2007, directs that a statewide goal be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by the year 2020. It orders that a low carbon fuel standard (LCFS) for transportation fuels be established for California and directs the CARB to determine whether a LCFS can be adopted as a discrete early action measure pursuant to AB 32. The CARB approved the LCFS as a discrete early action item with a regulation adopted and implemented in April 2010. On December 29, 2011, District Judge Lawrence O'Neill in the Eastern District of California issued a preliminary injunction blocking the CARB from implementing LCFS for the remainder of the *Rocky Mountain Farmers Union* litigation. The injunction was lifted in April 2012 so that CARB can continue enforcing the LCFS pending an appeal of the federal district court ruling (Cal. Governor's EO S-01-07, 2007).

#### **Senate Bill 375 – Sustainable Communities Act**

SB 375, the Sustainable Communities Act, was passed by the State Assembly in August 2008 and signed by the Governor in September 2008. SB 375 is intended to encourage reductions in transportation-related emissions from cars and light trucks. Under SB 275, Metropolitan Planning Organizations are required to prepare and adopt a sustainable community strategy to reach emission reduction targets by linking housing needs and transportation planning with GHG reduction targets (SB 375, 2007).

#### **Executive Order B-30-15**

On April 20, 2015, Governor Edmund G. Brown Jr. signed EO B-30-15 to establish a California GHG reduction target of 40 percent below 1990 levels by 2030. The Governor's EO aligns California's GHG reduction targets with those of leading international governments, such as the 28-nation European Union, which adopted the same target in October 2014. California is on track to meet or exceed its legislated target of reducing GHG emissions to 1990 levels by 2020, as established in the California Global Warming Solutions Act of 2006 (AB 32). California's new emission reduction target of 40 percent below 1990 levels by 2030 would make it possible to reach the ultimate goal of reducing emissions 80 percent below 1990 levels by 2050. This is in line with the scientifically established levels needed in the U.S. to limit global warming below 2°C, the warming threshold at which there would likely be major climate disruptions, such as super droughts and rising sea levels (Cal. Governor's EO B-30-15, 2015).

#### **Senate Bill 350**

SB 350, signed by the Governor on October 7, 2015, updates and enhances AB 32 by introducing the following set of objectives in clean energy, clean air, and pollution reduction for 2030:

- Raise California's renewable portfolio standard from 33 percent to 50 percent; and
- Increasing energy efficiency in buildings by 50 percent by the year 2030.

The 50 percent renewable energy standard will be implemented by the California Public Utilities Commission for private utilities and by the California Energy Commission for municipal utilities. Each utility must submit a procurement plan showing it will purchase clean energy to displace other nonrenewable resources. The 50 percent increase in energy efficiency in buildings must be achieved through the use of existing energy efficiency retrofit

funding and regulatory tools already available to state energy agencies under existing law. The addition made by this legislation requires state energy agencies to plan for and implement those programs in a manner that achieves the energy efficiency target (SB 350, 2015).

### **Senate Bill 32**

Senate Bill 32 (SB) 32 was signed into law on September 8, 2016, and expands upon AB 32 to reduce GHG emissions. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in the April 2015 EO B-30-15. SB 32 builds on AB 32 and keeps the State on the path toward achieving the 2050 objective of reducing emissions to 80 percent below 1990 levels, consistent with an IPCC analysis of the emissions trajectory that would stabilize atmospheric GHG concentrations at 450 parts per million CO<sub>2</sub>e and reduce the likelihood of catastrophic impacts from climate change (SB 32, 2015).

### **Senate Bill 100**

SB 100, adopted in September 2018, requires the state's retail electricity to achieve a 60-percent renewable energy portfolio by 2030 (an increase from 50 percent set forth by SB 350), and percent carbon-free by 2045 (SB 100, 2017).

### **Executive Order B-55-18**

EO B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter". EO B-55-18 directs the CARB to work with relevant State agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions be offset by equivalent net removals of CO<sub>2</sub>e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes (Cal. Governor's EO B-55-18, 2018).

### **State of California Building Energy Efficiency Standards (Title 24, Part 6)**

California's Energy Efficiency Standards for Residential and Nonresidential Buildings (California Code of Regulations; Title 24, Part 6) were first established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. The premise for the standards is that energy efficient buildings require less electricity, natural gas, and other fuels. Electricity production from fossil fuels and on-site fuel combustion (typically for space and water heating) results in GHG emissions.

The California Energy Commission adopted new 2013 Building Energy Efficiency Standards effective July 1, 2014. The 2013 standards improve upon the 2008 standards for new construction of, and additions and alterations to, residential and nonresidential buildings. The 2008 standards were updated for a number of reasons, including:

- To respond to AB 32, the Global Warming Solutions Act of 2006
- To pursue California energy policy that would establish energy efficiency as the resource of first choice for meeting California's energy needs
- To act on the findings of California's Integrated Energy Policy Report that indicates standards in general (as opposed to incentives or other mechanisms) are the most cost-effective means to achieve energy efficiency
- To meet California's commitment to include aggressive energy efficiency measures in updates of state building codes
- To meet California's commitment to improve the energy efficiency of nonresidential buildings through aggressive standards

### **Renewable Portfolio Standard**

The Renewable Portfolio Standard (RPS) promotes diversification of the state's electricity supply and decreased reliance on fossil fuel energy sources. Originally adopted in 2002, with a goal to achieve a 20-percent renewable energy mix by 2020 (referred to as the "initial RPS"), the goals have been accelerated and increased by EO S-14-08 and EO S-21-09 to a goal of 33 percent by 2020. In April 2011, the Governor signed SB 2 codifying California's 33-percent RPS goal (SB 2, 2011).

Section 399.19 requires the California Public Utilities Commission, in consultation with the California Energy Commission, to report to the Legislature on the progress and status of RPS procurement and other benchmarks. The purpose of the RPS, upon full implementation, is to provide 33 percent of the state's electricity needs through renewable energy sources. Renewable energy includes, but is not limited to, wind, solar, geothermal, small hydroelectric, biomass, anaerobic digestion, and landfill gas.

The RPS is included in CARB's scoping plan list of GHG reduction measures to reduce energy sector emissions. It is designed to accelerate the transformation of the electricity sector through such means as investment in the energy transmission infrastructure and systems to allow integration of large quantities of intermittent wind and solar generation. Increased use of renewables would decrease California's reliance on fossil fuels, thus reducing emissions of GHGs from the electricity sector. In 2008, as part of the scoping plan original estimates, CARB estimated that full achievement of the RPS would decrease statewide GHG emissions by 21.3 million MT of CO<sub>2</sub>e. In 2010, CARB increased this number to 24.0 million MT of CO<sub>2</sub>e.

### **Senate Bill 743**

SB 743, approved in 2013, changes the way that transportation impacts are analyzed under CEQA. With the amended CEQA Guidelines Section 15064.4, transportation impacts may be evaluated using vehicle miles traveled, vehicle miles traveled per capita, automobile trip generation rates, or automobile trips generated, as level of service and auto delay are no longer considered a significant impact under CEQA (SB 743, 2013).

### **Short-Lived Climate Pollutant Reduction Strategy**

The final short-lived climate pollutant (SLCP) reduction strategy (SLCP Strategy) was developed pursuant to SB 605 and SB 1383 and lays out a range of options to accelerate SLCP emission reductions in California, including regulations, incentives, and other market-supporting activities. The SLCP Strategy informs and is integrated into the 2017 Climate Change Scoping Plan update, which incorporates input from a wide range of stakeholders to develop a comprehensive plan for achieving the SB 32 statewide 2030 GHG limit of 40 percent below 1990 levels. Achievable goals through implementation of the SLCP Strategy (City of Long Beach, 2017):

- The following reductions by 2030 (from 2013 levels):
  - 50 percent for anthropogenic Black Carbon
  - 40 percent for CH<sub>4</sub>
  - 40 percent for HFCs
- Convert manure and organic wastes into valuable energy and soil amendment products
- Reduce disposal of edible foods by diverting them to food banks and other outlets
- Reduce harmful emissions from residential wood stoves
- Accelerate the reduction of the fastest growing source of GHG emissions by building on global HFC phasedown agreements.

### **California Green Building Code**

The California Green Building Standards Code (2016), referred to as CalGreen, took effect on January 1, 2017, and instituted mandatory minimum environmental performance standards for all ground-up new construction of

commercial and low-rise residential buildings, state-owned buildings, schools, and hospitals (State of California, 2021).

### **Executive Order N-79-20**

EO N-79-20, which was signed by the Governor on September 23, 2020, sets the following goals for the State: 100 percent of in-state sales of new passenger cars and trucks shall be zero-emission by 2035; 100 percent of medium- and heavy-duty vehicles in the State shall be zero-emission by 2045 for all operations where feasible and by 2035 for drayage trucks; and 100 percent of off-road vehicles and equipment in the State shall be zero-emission by 2035, where feasible (Cal. Governor's EO N-79-20, 2020).

### **3.4.2 Local Regulations**

#### **City of Long Beach Climate Action and Adaptation Plan**

Pursuant to California SB 379, all California cities and counties are required to include climate adaptation and resiliency strategies in their general plans to ensure safety and protection of their community in the future. The City of Long Beach developed a Climate Change Action and Adaptation Plan (CAAP) that provides a framework for creating or updating policies, programs, practices, and incentives for Long Beach residents and businesses to reduce the City's GHG footprint, and ensure the community and physical assets are better protected from the impacts of climate change (City of Long Beach, 2022).

The climate action/mitigation element of the CAAP includes the following steps:

- A GHG inventory of emissions from various sectors in the Long Beach community, such as building energy, transportation, solid waste, and wastewater.
- A forecast of projected emissions based on anticipated City growth.
- Development of GHG reduction targets based on the latest climate science, and local, regional, State, and federal context and requirements.
- Analysis of existing sustainability and climate mitigation efforts.
- Development of additional GHG mitigation strategies to reduce future emissions from key sectors.
- Development of a framework for implementing mitigation strategies.
- A plan to monitor the performance of the mitigation strategies using performance metrics to track GHG reduction targets.

#### **City of Long Beach Municipal Code**

Section 21.45.400 of the City's Municipal Code further regulates public and private development to include various standards that promote green buildings. A green building, also known as a sustainable building, is a structure that is designed, built, renovated, operated, or reused in an ecological and resource-efficient manner. Green buildings are designed to meet certain objectives such as protecting occupant health; improving employee productivity; using energy, water and other resources more efficiently; and reducing the overall impact to the environment. The City of Long Beach recognizes the benefit of green buildings and establishes a green building program (Long Beach Municipal Code Section 21.45.400).

#### **City of Long Beach General Plan**

The City of Long Beach's General Plan Mobility Element includes strategies to reduce single-occupancy vehicle trips and reduce vehicle miles traveled and associated GHG emissions. Policies in Mobility Element include reducing

vehicle miles traveled and vehicle trips through alternative modes of transportation and Transportation Demand Management; encouraging use of low- or no-emissions vehicles to reduce pollution; and supporting the development of a network of alternative fuel vehicle charging/fueling stations Citywide (City of Long Beach, 2013).

### **City of Seal Beach General Plan**

The City of Seal Beach's General Plan Growth Management Element includes planned transportation improvements and associated GHG emissions. The major transportation programs identified in the Management Element, to help alleviate future traffic congestion, include efficient utilization of existing roadway capacity through transportation system management strategies and promotion of increased ridership through alternate means of travel, such as expansion of public transit routes, van pooling, and carpool (City of Seal Beach, 2003).

## **AFFECTED ENVIRONMENT**

### **4.1 Climate**

The project is located in the City of Long Beach and the City of Seal Beach, an area within the SCAB, which includes Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. Air quality regulation in the SCAB is administered by SCAQMD.

The SCAB climate is determined by its terrain and geographical location. The SCAB is a coastal plain connecting to broad valleys and low hills. The Pacific Ocean forms the southwestern boundary, and high mountains surround the rest of the SCAB. The region lies in the semi-permanent high-pressure zone of the eastern Pacific. The resulting climate is mild and tempered by cool ocean breezes. This climatological pattern is rarely interrupted; however, periods of extremely hot weather, winter storms, and Santa Ana wind conditions do occur.

The annual average temperature varies little throughout the SCAB, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The annual average maximum temperature recorded at the Long Beach Daugherty Field Station, the closest climatological station to the project site, is 74.2°F, and the annual average minimum is 54.8°F. January is typically the coldest month in this area of the SCAB.

The majority of annual rainfall in the SCAB occurs between November and April. Summer rainfall is minimal and generally limited to scattered thundershowers in coastal regions and slightly heavier showers in the eastern part of the SCAB along the coastal side of the mountains. Average rainfall measured at the Long Beach Daugherty Field Station varies from 2.90 inches in February to 0.19 inches or less between June and September, with an average annual total of 12.01 inches.

The SCAB experiences a persistent temperature inversion (increasing temperature with increasing altitude) as a result of the Pacific high. This inversion limits the vertical dispersion of air contaminants, holding them relatively near the ground. As the sun warms the ground and the lower air layer, the temperature of the lower air layer approaches the temperature of the base of the inversion (upper) layer until the inversion layer finally breaks, allowing vertical mixing with the lower layer. This phenomenon is observed from midafternoon to late afternoon on hot summer days when the smog appears to clear up suddenly. Winter inversions frequently break by midmorning.

Inversion layers are essential in determining O<sub>3</sub> formation. O<sub>3</sub> and its precursors will mix and react to produce higher concentrations under an inversion. The inversion will also simultaneously trap and hold directly emitted pollutants such as CO. PM<sub>10</sub> is both directly emitted and created indirectly in the atmosphere as a result of chemical reactions. Concentration levels are directly related to inversion layers because of the limitation of mixing space.

Surface or radiation inversions are formed when the ground surface becomes cooler than the air above it during the night. The earth's surface goes through a radiative process on clear nights when heat energy is transferred from the ground to a cooler night sky. As the earth's surface cools during the evening hours, the air directly above it also cools, while air higher up remains relatively warm. The inversion is destroyed when heat from the sun warms the ground,

which in turn heats the lower layers of air; this heating stimulates the ground level air to float up through the inversion layer.

The combination of stagnant wind conditions and low inversions produces the greatest concentration of pollutants. On days of no inversion or high wind speeds, ambient air pollutant concentrations are the lowest. During periods of low inversions and low wind speeds, air pollutants generated in urbanized areas are transported predominantly onshore and east into Riverside and San Bernardino Counties. In the winter, the greatest pollution problems are from CO and oxides of nitrogen (NO<sub>x</sub>) because of extremely low inversions and air stagnation during the night and early morning hours. In the summer, the longer daylight hours and the brighter sunshine combine to cause a reaction between hydrocarbons and NO<sub>x</sub> to form photochemical smog.

## **4.2 Monitored Air Quality Pollutants**

SCAQMD monitors air quality conditions at 37 locations throughout the SCAB. The closest monitoring stations to the project site are the Long Beach – Signal Hill Station, located at 1710 E 20<sup>th</sup> Street, and the South Long Beach Station, located at 1305 E Pacific Coast Highway. O<sub>3</sub>, SO<sub>2</sub>, PM<sub>2.5</sub>, PM<sub>10</sub> are monitored at these two sites. The closest CO monitoring station to the project site is the Compton Station, located at 700 N Bullis Road, Compton. Table 2 shows pollutant levels, the state and federal standards, and the number of exceedances recorded at these stations from 2019 to 2021.

### **4.2.1 Carbon Monoxide**

CO is a colorless and odorless gas formed by the incomplete combustion of fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. CO is a non-reactive air pollutant that dissipates relatively quickly, so ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions; that is, primarily wind speed, topography, and atmospheric stability. As identified in Table 2, the CO concentrations in the project area have not exceeded the federal or state standards in the past 3 years.

**Table 2. Ambient Air Quality Monitoring Stations and Monitoring Data**

Pollutant	Averaging Time	Federal Primary Standards	California Standards	Maximum Concentrations <sup>a</sup>			Number of Days Exceeding Federal Standard <sup>b</sup>			Number of Days Exceeding State Standard <sup>b</sup>		
				2019	2020	2021	2019	2020	2021	2019	2020	2021
O <sub>3</sub> (Signal Hill)	1 hour	none	0.09 ppm	*	0.105	0.086	—	—	—	*	4	0
	8 hour	0.07 ppm	0.07 ppm	*	0.083	0.064	*	4	0	*	4	0
CO (Compton)	1 hour	35 ppm	20 ppm	3.8	4.5	4.3	0	0	0	0	0	0
	8 hour	9 ppm	9.0 ppm	3.2	3.1	3.7	0	0	0	0	0	0
SO <sub>2</sub> (Signal Hill)	1 hour	0.075 ppm	0.25 ppm	*	*	0.0059	*	*	0	*	*	0
NO <sub>2</sub> (Signal Hill)	1 hour	none	0.18 ppm	*	0.075	0.059	—	—	—	*	0	0
	Annual	0.053 ppm	0.030 ppm	*	0.013	0.013	*	0	0	*	0	0
PM <sub>10</sub> <sup>c</sup> (South Long Beach)	24 hours	150 µg/m <sup>3</sup>	50 µg/m <sup>3</sup>	72.0	59.0	48.0	0	0	0	2	2	0
	Annual	Revoked	20 µg/m <sup>3</sup>	21.0	24.9	22.7	—	—	—	1	1	1
PM <sub>2.5</sub> (South Long Beach)	24 hours	35 µg/m <sup>3</sup>	none	30.6	39.0	42.9	0	1	4	—	—	—
	Annual	15 µg/m <sup>3</sup>	12 µg/m <sup>3</sup>	9.2	11.4	11.5	0	0	0	0	0	0

ppm: parts per million; —: data not available or applicable; µg/m<sup>3</sup>: micrograms per cubic meter; \*: insufficient data to determine the value

<sup>a</sup> Concentration units for O<sub>3</sub>, CO, and NO<sub>2</sub> are in ppm. Concentration units for PM<sub>10</sub> and PM<sub>2.5</sub> are in micrograms per cubic meter (µg/m<sup>3</sup>).

<sup>b</sup> For annual standards, a value of 1 indicates that the standard has been exceeded.

<sup>c</sup> PM<sub>10</sub> data are recorded separately for federal and State purposes because USEPA and California methods differ slightly. Federal values are shown. PM<sub>10</sub> is measured every 6 days; the number of days exceeding standards is projected to a 365-day base from the measurements.

Source: SCAQMD, 2023a

### 4.2.2 Ozone

O<sub>3</sub> is a colorless gas that is formed in the atmosphere when reactive organic gases (ROG), which includes volatile organic compounds (VOC), and NO<sub>x</sub> react in the presence of ultraviolet sunlight. O<sub>3</sub> is not a primary pollutant; it is a secondary pollutant formed by complex interactions of two pollutants directly emitted into the atmosphere. The primary sources of ROG and NO<sub>x</sub>, the components of O<sub>3</sub>, are automobile exhaust and industrial sources. Meteorology and terrain play major roles in O<sub>3</sub> formation. Ideal conditions occur during summer and early autumn, on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. The greatest source of smog-producing gases is the automobile. Short-term exposure (lasting for a few hours) to O<sub>3</sub> at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes. As identified in Table 2, the state and federal 8-hour O<sub>3</sub> standards and 1-hour state O<sub>3</sub> standard were exceeded in 2020.

### 4.2.3 Oxides of Sulfur

SO<sub>2</sub> is a colorless, pungent gas formed primarily by the combustion of sulfur-containing fossil fuels. Main sources of SO<sub>2</sub> are coal and oil used in power plants and industries. Generally, the highest levels of SO<sub>2</sub> are found near large industrial complexes. In recent years, SO<sub>2</sub> concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO<sub>2</sub> and limits on the sulfur content of fuels. SO<sub>2</sub> is an irritant gas that attacks the throat and lungs. It can cause acute respiratory symptoms and diminished ventilator function in children.

### 4.2.4 Coarse Particulate Matter

Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter also forms when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. Inhalable particulate matter, or PM<sub>10</sub>, is about 1/7 the thickness of a human hair. Major sources of PM<sub>10</sub> include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. When inhaled, PM<sub>10</sub> particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. PM<sub>10</sub> can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. As identified in Table 2, the state and federal PM<sub>10</sub> standards were exceeded in 2019, 2020, and 2021.

### 4.2.5 Fine Particulate Matter

Fine particulate matter, or PM<sub>2.5</sub>, is roughly 1/28 the diameter of a human hair. PM<sub>2.5</sub> results from fuel combustion (e.g., motor vehicles, power generation, and industrial facilities), residential fireplaces, and wood stoves. In addition, PM<sub>2.5</sub> can be formed in the atmosphere from gases, such as SO<sub>2</sub>, NO<sub>x</sub>, and VOC. Very small particles of substances, such as lead, sulfates, and nitrates can cause lung damage directly. These substances can be absorbed into the blood stream and cause damage elsewhere in the body. These substances can transport absorbed gases, such as chlorides or ammonium, into the lungs and cause injury. Whereas PM<sub>10</sub> tends to collect in the upper portion of the respiratory system, PM<sub>2.5</sub> is so tiny that it can penetrate deeper into the lungs and damage lung tissues. Suspended particulates also damage and discolor surfaces on which they settle, as well as produce haze and reduce regional visibility. As identified in Table 2, the federal PM<sub>2.5</sub> standards were exceeded in 2020 and 2021.

### 4.2.6 Volatile Organic Compounds or Reactive Organic Gases

VOCs are carbon-containing compounds that evaporate into the air. VOCs contribute to the formation of smog and/or may be toxic. VOCs often have an odor, and examples include gasoline, alcohol, and the solvents used in paints. The SCAQMD does not directly monitor VOCs. There are no specific state or federal VOC thresholds, as they are regulated by individual air districts as O<sub>3</sub> precursors.

## 4.3 Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than the general population. Sensitive populations (sensitive receptors) that are in proximity to localized sources of toxics, particulate matter, and CO are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. The majority of the land use in the project area is residential.

The closest residences to the Project site are the homes along the SR22 off-ramp to Studebaker Road that are located less than 15 feet from the residential privacy walls to the RW pipeline alignment.

## **METHODS AND THRESHOLDS**

The air quality and GHG analysis contained herein provides an evaluation of the Project's short-term construction and long-term operation emissions using the methodologies and significance thresholds outlined in this chapter.

### **5.1 Methods**

#### **5.1.2 Criteria Air Pollutants**

Emissions of criteria air pollutants were estimated using existing conditions information, project construction details, and project operations information, as well as a combination of emission factors from the following sources:

- CalEEMod (Version 2020.4.0) emission model for estimating exhaust emissions from off-road construction equipment and on-road motor vehicles
- CalEEMod (Version 2020.4.0) emission model for calculating the long-term mobile, energy, and area source emissions

#### **5.1.3 Quantification of Greenhouse Gases**

For the purposes of determining whether or not GHG emissions from affected projects are adverse, SCAQMD specifies that project emissions must include direct, indirect, and, to the extent information is available, life cycle emissions during construction and operation. Based on this direction, construction emissions were amortized over the life of the project (defined as 30 years), added to the operational emissions, and compared to the applicable GHG significance thresholds.

### **5.2 CEQA Significance Criteria**

For the purposes of this air quality analysis, the project would have a significant impact on air quality or global climate change if it would:

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

### **5.3 South Coast Air Quality Management District Guidelines**

Specific criteria for determining whether the potential air quality impacts of a project are significant are set forth in the CEQA Air Quality Handbook (SCAQMD, 1993). The revised SCAQMD Air Quality Significance Thresholds table, reflecting a redesignation for attainment status for the Coachella Valley and the CEQA Air Quality Handbook thresholds, is available online (SCAQMD, 2023b). Table 3 lists the daily thresholds for construction and operations emissions that have been established by the SCAQMD and would be used in the analysis of air quality impacts for the proposed project to determine significance.

#### **5.3.1 Localized Significance Thresholds**

SCAQMD has developed localized significance threshold (LST) methodology and mass rate look-up tables, by source receptor area, that can be used by public agencies to determine whether or not a project may generate significant adverse localized air quality impacts (SCAQMD, 1993; SCAQMD, 2009). LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable federal or state

**Table 3. South Coast Air Quality Management District Air Quality Thresholds of Significance**

Pollutant	Construction (pounds/day)	Operation (pounds/day)
NO <sub>x</sub>	100	55
VOC	75	55
PM <sub>10</sub>	150	150
PM <sub>2.5</sub>	55	55
SO <sub>x</sub>	150	150
CO	550	550

Source: SCAQMD, 1993; SCAQMD, 2023b.

ambient air quality standard and are developed based on the ambient concentrations of that pollutant for each source receptor area. LSTs are derived based on the location of the activity (i.e., the source receptor area); the emission rates of NO<sub>x</sub>, CO, PM<sub>10</sub> and PM<sub>2.5</sub>; the size of the project study area, and the distance to the nearest exposed individual. For this project, the appropriate source receptor area for the LST is the South Coastal Los Angeles County area (Area 4). Although the Project site is less than 1 acre. Therefore, the 1-acre LST rates are used for this Project. The nearest sensitive receptors to the Project site are the residences located along the SR22 off-ramp to Studebaker Road at a distance of less than 25 meters. Table 4 lists the LST emission rates for a 1-acre site located within 25 meters of a sensitive use.

**Table 4. South Coast Air Quality Management District Localized Significance Thresholds**

Pollutant	Construction (pounds/day)	Operation (pounds/day)
NO <sub>x</sub>	57	57
CO	585	585
PM <sub>10</sub>	4	1
PM <sub>2.5</sub>	3	1

Sources: SCAQMD, 1993; SCAQMD, 2009.

### 5.3.2 Local Carbon Monoxide Concentrations

The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below state and federal CO standards. If ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a state or federal standard, project emissions are considered significant if they increase 1-hour CO concentrations by 1.0 parts per million (ppm) or more or 8-hour CO concentrations by 0.45 ppm or more. The following are applicable local emission concentration standards for CO:

- California state 1-hour CO standard of 20.0 ppm
- California state 8-hour CO standard of 9.0 ppm

### 5.3.3 Greenhouse Gas Emission Threshold

The SCAQMD's interim thresholds for commercial, residential, mixed use and industrial development projects are as follows:

- Industrial projects – 10,000 MT of carbon dioxide equivalent (CO<sub>2</sub>e) per year
- Residential, commercial, and mixed-use projects (including parks, warehouses, etc.) 3,000 MT CO<sub>2</sub>e per year

The project includes the installation of an RW pipeline. Thus, for the purposes of this analysis, both direct and indirect GHG emissions from the Project are discussed in the context of the 10,000 MT threshold levels (SCAQMD, 2023b).

## PROJECT IMPACTS

Air pollutant emissions associated with the Project would occur over the short term from construction activities, such as fugitive dust from site preparation and grading and emissions from equipment exhaust. During operation, there would be minimal long-term regional emissions associated with Project-related maintenance vehicular trips.

### 6.1 Air Quality Emissions

#### 6.1.1 Construction Impacts

Construction activities associated with implementation of the Project have the potential to create air quality impacts through the use of heavy-duty construction equipment, construction worker vehicle trips, material delivery trips, and heavy-duty haul truck trips generated from construction activities. In addition, earthwork activities would result in fugitive dust emissions and paving operations and would also release ROG<sub>s</sub> from off-gassing. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and, for dust, the prevailing weather conditions. The assessment of construction air quality impacts considers each of these potential sources.

#### Equipment Exhaust and Related Construction Activities

The construction emissions for each phase of construction were calculated using the CalEEMod model. The total exhaust emissions generated during the entire construction period are listed in Table 5. The construction emission estimates are also detailed in Appendix A. As identified in Table 5, the daily construction emissions would not exceed the SCAQMD's thresholds.

#### Fugitive Dust

Fugitive dust emissions are generally associated with land clearing, exposure, and cut-and-fill operations. Dust generated daily during construction would vary substantially, depending on the level of activity, the specific operations, and weather conditions. Nearby sensitive receptors and on-site workers may be exposed to blowing dust, depending upon prevailing wind conditions. Fugitive dust also would be generated as construction equipment or trucks travel on unpaved areas of the construction site.

PM<sub>10</sub> and PM<sub>2.5</sub> emissions from the Project's construction were calculated using the CalEEMod model and are included in the emissions listed in Table 5. SCAQMD has established Rule 403 for reducing fugitive dust emissions through the use of best available control measures. As identified in Table 5, the Project's PM<sub>10</sub> emissions would not exceed the SCAQMD's significance thresholds. These estimates assume compliance with SCAQMD Rule 403.

#### Odors

Construction of the project could result in emission of odors from construction equipment and vehicles (e.g., diesel exhaust). It is anticipated that these odors would be short-term, limited in extent at any given time, and distributed throughout the project study area during the duration of construction, and, therefore, would not affect a substantial number of individuals.

**Table 5. Total Daily Exhaust Emissions Thresholds During Construction (pounds/day)**

Phase	CO	ROGs	NO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Site Preparation	5.5	0.6	6.2	0.3	0.2
Pavement Removal	7.8	0.9	6.7	0.7	0.4
RW Pipeline Installation	3.5	0.2	2.0	0.1	0.1
Paving	5.0	0.4	3.0	0.3	0.2
Peak Day (pounds/day)	21.8	2.1	17.9	1.4	0.9
SCAQMD Thresholds	550	75	100	150	55
<b>Exceedance of SCAQMD Thresholds?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Notes: CO=carbon monoxide; NO <sub>x</sub> =oxides of nitrogen; PM <sub>10</sub> =particles of 10 micrometers and smaller; PM <sub>2.5</sub> =particles of 2.5 micrometers and smaller; ROG=volatile organic gases; SCAQMD= South Coast Air Quality Management District Source: SCAQMD, 1993; SCAQMD, 2023b.					

### Localized Significance Threshold Analysis

Table 6 show the construction-related emissions of CO, NO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> compared to the LSTs for the South Coastal Los Angeles County area at a distance of 25 meters. As required by the SCAQMD's Localized Significance Threshold Methodology (2008), only the on-site construction emissions are included in Table 6. As identified, the calculated emissions rates for the Project's on-site construction activities would not exceed the SCAQMD's LSTs.

**Table 6. Summary of On-Site Construction Emissions, Localized Significance (pounds/day)**

Project Phase	Emission Rates (pounds/day)			
	CO	NO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Site Preparation	5.3	6.1	0.2	0.2
Pavement Removal	7.3	6.7	0.3	0.3
RW Pipeline Installation	3.3	2.0	0.1	0.1
Paving	4.7	3.0	0.2	0.2
Peak Day (pounds/day)	20.6	17.8	0.8	0.8
SCAQMD Thresholds	585	57	4	3
<b>Exceeds Daily SCAQMD Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Notes: CO=carbon monoxide; NO <sub>x</sub> =oxides of nitrogen; PM <sub>10</sub> =particles of 10 micrometers and smaller; PM <sub>2.5</sub> =particles of 2.5 micrometers and smaller; SCAQMD= South Coast Air Quality Management District LST Thresholds based on South Coastal Los Angeles County Area, 1-acre LST rate within 25 meters of a sensitive receptor (SCAQMD, 2009).				

### 6.1.2 Operation Impacts

Long-term air pollutant emission impacts are those associated with stationary sources and mobile sources involving any project-related changes. The proposed project would have minimal long-term operational air quality impacts from mobile source emissions associated with maintenance vehicular trips in the project study area.

### On-Road, Energy, and Area Source Emissions

The CalEEMod model was used to calculate the Project’s operations. Table 7 identifies the peak daily emissions from operations and maintenance of the Project.

**Table 7. Total Daily Exhaust Emissions Thresholds During Operation (pounds/day)**

Source	CO	NO <sub>x</sub>	ROG	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Area	4.0	0.1	1.2	0	0	0
Energy	0	0	0	0	0	0
Mobile	0	0	0	0	0	0
Total	4	0.1	1.2	0	0	0
SCAQMD Thresholds	550	55	55	150	150	55
<b>Exceeds Daily SCAQMD Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Notes: CO=carbon monoxide; NO <sub>x</sub> =oxides of nitrogen; PM <sub>10</sub> =particles of 10 micrometers and smaller; PM <sub>2.5</sub> =particles of 2.5 micrometers and smaller; ROG=Volatile Organic Gases; SCAQMD= South Coast Air Quality Management Source: SCAQMD, 1993; SCAQMD, 2023b.						

### Localized Significance Threshold Analysis

Table 8 identifies the operations emissions of CO, NO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> compared to the LSTs for the South Coastal Los Angeles County area at a distance of 25 meters. As required by the SCAQMD’s LST Methodology (SCAQMD, 2008), only the on-site emissions are included in Table 8. Table 8 includes all of the area source and energy emissions, and 5 percent of the on-road emissions. As shown, the calculated emissions rates for the Project’s on-site operation activities would not exceed the LSTs.

### Long-Term Microscale (Carbon Monoxide Hot Spot) Analysis

Vehicular trips associated with the proposed project would contribute to congestion at intersections and along roadway segments in the project vicinity. Localized air quality impacts would occur when emissions from vehicular traffic increase as a result of the proposed project. The primary mobile source pollutant of local concern is CO, which is a direct function of vehicle idling time and, thus, of traffic flow conditions. CO transport is extremely limited; under normal meteorological conditions, it disperses rapidly with distance from the source. However, under certain extreme meteorological conditions, CO concentrations near a congested roadway or intersection may reach unhealthy levels, affecting local sensitive receptors (residents, schoolchildren, the elderly, and hospital patients, etc.).

Typically, high CO concentrations are associated with roadways or intersections operating at unacceptable levels of service or with extremely high traffic volumes. In areas with high ambient background CO concentrations, modeling is recommended, to determine a project’s effect on local CO levels.

An assessment of project-related impacts on localized ambient air quality requires that future ambient air quality levels be projected. Existing CO concentrations in the immediate project vicinity are not available. Ambient CO levels monitored in the Compton station showed a highest recorded 1-hour concentration of 4.5 ppm (state standard is 20 ppm) and a highest 8-hour concentration of 3.7 ppm (state standard is 9 ppm) during the past 3 years (Table 2). The highest CO concentrations would normally occur during peak traffic hours; hence, CO impacts calculated under peak traffic conditions represent a worst-case analysis.

**Table 8. Summary of On-Site Operation Emissions, Localized Significance (pounds/day)**

Project Phase	Emission Rates (pounds/day)			
	CO	NOX	PM <sub>10</sub>	PM <sub>2.5</sub>
Area	4	0	0	0
Energy	0	0	0	0
Mobile	0	0	0	0
Total (pounds/day)	4	0	0	0
SCAQMD Thresholds	585	57	1	1
<b>Exceeds Daily SCAQMD Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Notes: CO=carbon monoxide; NO <sub>x</sub> =oxides of nitrogen; PM <sub>10</sub> =particles of 10 micrometers and smaller; PM <sub>2.5</sub> =particles of 2.5 micrometers and smaller; SCAQMD= South Coast Air Quality Management District  LST Thresholds based on South Coastal Los Angeles County Area, 1-acre LST rate within 25 meters of a sensitive receptor (SCAQMD, 2009).				

Given the extremely low level of CO concentrations in the project area, project-related vehicles are not expected to result in the CO concentrations exceeding the state or federal CO standards. Because no CO hot spot would occur, there would be no project-related impacts on CO concentrations if the project was constructed on the project site.

## 6.2 Greenhouse Gas Emissions

The analysis of GHG emissions, unlike air quality analysis, which is a ‘per day’ threshold, is an aggregate quantity requiring summation over the total estimated number of work days (i.e., the total number of days that any construction grading vehicle would have an engine running).

### 6.2.1 Construction Emissions

Construction of the Project would result in temporary emissions associated with diesel engine combustion from mass grading, and site preparation construction equipment would be assumed to occur for engines running at the correct fuel-to-air ratios (the ratio whereby complete combustion of the diesel fuel occurs). Construction-related GHG emissions include site preparation, excavation, and associated construction of the proposed business park complex.

The most recent version of the CalEEMod model (Version 2020.4.0) was used to calculate the construction emissions. Table 9 quantifies the expected GHG emissions from Project construction activities. As shown, construction of the Project would generate 907.5 MT of CO<sub>2</sub>e.

Amortized over a 30-year period, the approximate life of the project, the yearly contribution to GHG from the construction of the project would be 30.3 MT of CO<sub>2</sub>e per year.

**Table 9. Construction Greenhouse Gas Emissions**

Year	Pollutant Emissions (metric tons/year)			
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
2025	351.6	0.10	0	354.6
2026	548.4	0.16	0	552.9
Total	900	0.26	0	907.5
Notes: CH <sub>4</sub> =methane; CO <sub>2</sub> =carbon dioxide; CO <sub>2</sub> e=carbon dioxide equivalent; N <sub>2</sub> O= nitrous oxide				

### 6.2.2 Operation Emissions

The Project’s operations GHG emissions estimates were also calculated using CalEEMod. The Project operations would result in neglectable average annual emissions of CO<sub>2</sub>e per year. The total annual GHG emissions of 30.3 MT of CO<sub>2</sub>e from the Project construction activities is less than the SCAQMD’s threshold of 10,000 MT of CO<sub>2</sub>e per year. Therefore, the Project would have a less than significant individual and cumulative impact for GHG emissions.

### 6.3 Air Quality Management Plan Consistency

An AQMP describes air pollution control strategies to be taken by a city/county or region classified as a nonattainment area. The main purpose of an AQMP is to bring the area into compliance with the requirements of federal and state air quality standards. CEQA requires that certain proposed projects be analyzed for consistency with the AQMP. For a project to be consistent with the 2016 AQMP, the pollutants emitted from the project should not exceed the SCAQMD daily threshold or cause a significant impact on air quality. However, if feasible mitigation measures are implemented and shown to reduce the impact level from significant to less than significant, the project is deemed consistent with the AQMP. As discussed in Section 6.1, the Project’s short-term construction and long-term operational emissions would not exceed the SCAQMD’s significance thresholds. Therefore, implementation of the project would not conflict with the 2016 AQMP, and no significant impacts would result.

### 6.4 Cumulative Impact

The Project area is currently in nonattainment for O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. As shown in Table 5 and Table 6, the Project’s construction emissions would not exceed the SCAQMD’s significance thresholds. Construction of the project would not contribute cumulatively to the local and regional air pollutants, together with other projects under construction. Therefore, construction of the Project would not contribute to significant cumulative air quality impacts.

As shown in Table 7 and Table 8, the Project’s operations emissions would not exceed the SCAQMD’s long-term emission thresholds. In addition, as shown in Table 9, the Project’s GHG emissions during construction would be less than the SCAQMD’s interim threshold. Therefore, the Project’s construction and operation would not contribute to a long-term cumulative air quality impact.

### MITIGATION MEASURES

The following mitigation measures would be implemented during construction activities:

- AQ-1** During clearing, grading, earth moving, or excavation operations, excessive fugitive dust emissions shall be controlled by regular watering or other dust preventive measures using the following procedures, as specified in the SCAQMD Rule 403. All material excavated or graded shall be sufficiently watered in sufficient quantities to prevent the generation of visible dust plumes. Watering shall occur at least twice daily with complete coverage, preferably in the late morning and after work is done for the day. All material transported on-site or off-site shall be securely covered to prevent excessive amounts of dust. The area disturbed by clearing, grading, earth moving, or excavation operations shall be minimized so as to

prevent excessive amounts of dust. The following control techniques shall be indicated in Project specifications:

- Minimize land disturbance
- Use watering trucks to minimize dust; watering should be sufficient to confine dust plumes to the project work areas
- Suspend grading and earth moving when wind gusts exceed 25 miles per hour unless the soil is wet enough to prevent dust plumes
- Cover trucks when hauling dirt
- Stabilize the surface of dirt piles if not removed immediately
- Limit vehicular paths on unpaved surfaces and stabilize any temporary roads
- Sweep paved streets where there is evidence of dirt that has been carried on to the roadway
- Provide an operational water truck on-site at all times and use watering trucks to minimize dust; watering should be sufficient to confine dust plumes to the Project work areas.

**AQ-2** The following measures shall be implemented as best management practices to minimize construction emissions:

- Minimize unnecessary vehicular and machinery activities
- Ensure that all construction equipment is properly tuned and maintained
- Minimize idling time to 5 minutes, which saves fuel and reduces emissions
- Utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary power generators.

## **CONCLUSION**

Regional emissions during the Project's construction, calculated with the CalEEMod (Version 2020.4.0) model, would not exceed criteria pollutant thresholds established by the SCAQMD. Compliance with SCAQMD Rules and Regulations during construction would reduce construction-related air quality impacts from fugitive dust emissions and construction equipment emissions. The Project's long-term operations emissions are below the SCAQMD thresholds. Therefore, the Project's air quality impacts, during construction and operation, are less than significant.

The Project's total annual GHG emissions of 30.3 MT of CO<sub>2</sub>e are less than the SCAQMD's threshold of 10,000 MT of CO<sub>2</sub>e per year. Therefore, the Project would have a less than significant individual and cumulative impact for GHG emissions.

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## **APPENDICES**

**APPENDIX A**  
**CalEEMod Results**

Haynes Generating Station - Los Angeles-South Coast County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Haynes Generating Station  
Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	39,500.00	User Defined Unit	0.91	39,500.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Data Provided by the Engineer

Construction Phase - Construction phases would occur at the same time, progress along the alignment.

Construction Off-road Equipment Mitigation -

Off-road Equipment - construction equipment provided by the engineer

Off-road Equipment - Construction equipment provided by the engineer

Off-road Equipment -

Off-road Equipment - Construction equipment provided by the engineer

Off-road Equipment - Construction equipment provided by the engineer

Grading - Assume paving material haul truck capacity is 14 tons

Assume total acres graded is 1 acre

Demolition -

Haynes Generating Station - Los Angeles-South Coast County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Trips and VMT - # Trips Vendor (/day) TBD

Architectural Coating - No Architectural Coatings would apply

Area Coating - No Area Architectural Coatings would apply

Landscape Equipment - No Landscape Equipments would use

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	19750	0
tblAreaCoating	Area_Nonresidential_Interior	59250	0
tblConstructionPhase	NumDays	1.00	392.00
tblConstructionPhase	NumDays	5.00	392.00
tblConstructionPhase	NumDays	10.00	392.00
tblConstructionPhase	PhaseEndDate	11/5/2025	12/1/2026
tblConstructionPhase	PhaseEndDate	6/13/2025	12/1/2026
tblConstructionPhase	PhaseEndDate	11/12/2025	12/1/2026
tblConstructionPhase	PhaseEndDate	6/16/2025	12/1/2026
tblConstructionPhase	PhaseStartDate	6/19/2025	6/1/2025
tblConstructionPhase	PhaseStartDate	11/6/2025	6/1/2025
tblConstructionPhase	PhaseStartDate	6/14/2025	6/1/2025
tblGrading	AcresOfGrading	196.00	1.00
tblGrading	MaterialExported	0.00	140.00
tblGrading	MaterialImported	0.00	1,750.00
tblGrading	MaterialSiltContent	6.90	4.30
tblGrading	MeanVehicleSpeed	7.10	40.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LandUseSquareFeet	0.00	39,500.00
tblLandUse	LotAcreage	0.00	0.91
tblOffRoadEquipment	HorsePower	158.00	187.00
tblOffRoadEquipment	HorsePower	402.00	9.00

Haynes Generating Station - Los Angeles-South Coast County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblOffRoadEquipment	HorsePower	172.00	81.00
tblOffRoadEquipment	HorsePower	158.00	89.00
tblOffRoadEquipment	HorsePower	158.00	187.00
tblOffRoadEquipment	HorsePower	402.00	247.00
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	LoadFactor	0.38	0.56
tblOffRoadEquipment	LoadFactor	0.42	0.73
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType	Forklifts	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.1595	1.3707	1.6653	3.9800e-003	0.0609	0.0588	0.1197	0.0157	0.0541	0.0698	0.0000	351.6330	351.6330	0.1059	9.3000e-004	354.5591
2026	0.2484	2.1402	2.5935	6.2100e-003	0.0857	0.0918	0.1774	0.0221	0.0844	0.1066	0.0000	548.3741	548.3741	0.1654	1.4000e-003	552.9247
<b>Maximum</b>	<b>0.2484</b>	<b>2.1402</b>	<b>2.5935</b>	<b>6.2100e-003</b>	<b>0.0857</b>	<b>0.0918</b>	<b>0.1774</b>	<b>0.0221</b>	<b>0.0844</b>	<b>0.1066</b>	<b>0.0000</b>	<b>548.3741</b>	<b>548.3741</b>	<b>0.1654</b>	<b>1.4000e-003</b>	<b>552.9247</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.1595	1.3707	1.6653	3.9800e-003	0.0513	0.0588	0.1101	0.0133	0.0541	0.0674	0.0000	351.6326	351.6326	0.1059	9.3000e-004	354.5587
2026	0.2484	2.1402	2.5935	6.2100e-003	0.0759	0.0918	0.1676	0.0197	0.0844	0.1041	0.0000	548.3735	548.3735	0.1654	1.4000e-003	552.9241
<b>Maximum</b>	<b>0.2484</b>	<b>2.1402</b>	<b>2.5935</b>	<b>6.2100e-003</b>	<b>0.0759</b>	<b>0.0918</b>	<b>0.1676</b>	<b>0.0197</b>	<b>0.0844</b>	<b>0.1041</b>	<b>0.0000</b>	<b>548.3735</b>	<b>548.3735</b>	<b>0.1654</b>	<b>1.4000e-003</b>	<b>552.9241</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	13.25	0.00	6.54	12.92	0.00	2.77	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2025	8-31-2025	0.6568	0.6568
2	9-1-2025	11-30-2025	0.6501	0.6501
3	12-1-2025	2-28-2026	0.6428	0.6428
4	3-1-2026	5-31-2026	0.6566	0.6566
5	6-1-2026	8-31-2026	0.6564	0.6564
6	9-1-2026	9-30-2026	0.2140	0.2140
		Highest	0.6568	0.6568



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1427	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1427</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2025	12/1/2026	5	392	
2	Pavement Removal	Demolition	6/1/2025	12/1/2026	5	392	
3	Pipeline Installation	Trenching	6/1/2025	12/1/2026	5	392	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

4	Paving	Paving	6/1/2025	12/1/2026	5	392
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**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	187	0.41
Paving	Off-Highway Trucks	1	8.00	9	0.56
Pavement Removal	Other Construction Equipment	1	8.00	81	0.73
Pipeline Installation	Cranes	0	8.00	231	0.29
Pipeline Installation	Excavators	1	8.00	89	0.20
Pavement Removal	Concrete/Industrial Saws	0	8.00	81	0.73
Pavement Removal	Excavators	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	1	8.00	80	0.38
Pavement Removal	Off-Highway Trucks	1	8.00	247	0.40
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Pipeline Installation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pavement Removal	Rubber Tired Dozers	0	8.00	247	0.40
Pavement Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41

**Trips and VMT**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pavement Removal	3	8.00	0.00	14.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pavement Removal	3	8.00	0.00	14.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline Installation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	187.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0169	0.0000	0.0169	4.3300e-003	0.0000	4.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0474	0.4661	0.4044	1.2500e-003		0.0159	0.0159		0.0146	0.0146	0.0000	109.7419	109.7419	0.0355	0.0000	110.6292
<b>Total</b>	<b>0.0474</b>	<b>0.4661</b>	<b>0.4044</b>	<b>1.2500e-003</b>	<b>0.0169</b>	<b>0.0159</b>	<b>0.0328</b>	<b>4.3300e-003</b>	<b>0.0146</b>	<b>0.0190</b>	<b>0.0000</b>	<b>109.7419</b>	<b>109.7419</b>	<b>0.0355</b>	<b>0.0000</b>	<b>110.6292</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	5.0000e-003	1.3200e-003	2.0000e-005	6.3000e-004	3.0000e-005	6.6000e-004	1.7000e-004	3.0000e-005	2.0000e-004	0.0000	2.0611	2.0611	1.2000e-004	3.3000e-004	2.1617
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-003	1.2400e-003	0.0182	5.0000e-005	6.7100e-003	4.0000e-005	6.7400e-003	1.7800e-003	3.0000e-005	1.8200e-003	0.0000	5.1649	5.1649	1.2000e-004	1.2000e-004	5.2037
<b>Total</b>	<b>1.7800e-003</b>	<b>6.2400e-003</b>	<b>0.0195</b>	<b>7.0000e-005</b>	<b>7.3400e-003</b>	<b>7.0000e-005</b>	<b>7.4000e-003</b>	<b>1.9500e-003</b>	<b>6.0000e-005</b>	<b>2.0200e-003</b>	<b>0.0000</b>	<b>7.2260</b>	<b>7.2260</b>	<b>2.4000e-004</b>	<b>4.5000e-004</b>	<b>7.3654</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.6100e-003	0.0000	7.6100e-003	1.9500e-003	0.0000	1.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0474	0.4661	0.4044	1.2500e-003		0.0159	0.0159		0.0146	0.0146	0.0000	109.7418	109.7418	0.0355	0.0000	110.6291
<b>Total</b>	<b>0.0474</b>	<b>0.4661</b>	<b>0.4044</b>	<b>1.2500e-003</b>	<b>7.6100e-003</b>	<b>0.0159</b>	<b>0.0235</b>	<b>1.9500e-003</b>	<b>0.0146</b>	<b>0.0166</b>	<b>0.0000</b>	<b>109.7418</b>	<b>109.7418</b>	<b>0.0355</b>	<b>0.0000</b>	<b>110.6291</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	5.0000e-003	1.3200e-003	2.0000e-005	6.3000e-004	3.0000e-005	6.6000e-004	1.7000e-004	3.0000e-005	2.0000e-004	0.0000	2.0611	2.0611	1.2000e-004	3.3000e-004	2.1617
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-003	1.2400e-003	0.0182	5.0000e-005	6.7100e-003	4.0000e-005	6.7400e-003	1.7800e-003	3.0000e-005	1.8200e-003	0.0000	5.1649	5.1649	1.2000e-004	1.2000e-004	5.2037
<b>Total</b>	<b>1.7800e-003</b>	<b>6.2400e-003</b>	<b>0.0195</b>	<b>7.0000e-005</b>	<b>7.3400e-003</b>	<b>7.0000e-005</b>	<b>7.4000e-003</b>	<b>1.9500e-003</b>	<b>6.0000e-005</b>	<b>2.0200e-003</b>	<b>0.0000</b>	<b>7.2260</b>	<b>7.2260</b>	<b>2.4000e-004</b>	<b>4.5000e-004</b>	<b>7.3654</b>

**3.2 Site Preparation - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0169	0.0000	0.0169	4.3300e-003	0.0000	4.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0741	0.7281	0.6317	1.9500e-003		0.0249	0.0249		0.0229	0.0229	0.0000	171.4269	171.4269	0.0554	0.0000	172.8130
<b>Total</b>	<b>0.0741</b>	<b>0.7281</b>	<b>0.6317</b>	<b>1.9500e-003</b>	<b>0.0169</b>	<b>0.0249</b>	<b>0.0418</b>	<b>4.3300e-003</b>	<b>0.0229</b>	<b>0.0272</b>	<b>0.0000</b>	<b>171.4269</b>	<b>171.4269</b>	<b>0.0554</b>	<b>0.0000</b>	<b>172.8130</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2000e-004	7.7300e-003	2.0800e-003	3.0000e-005	9.8000e-004	5.0000e-005	1.0300e-003	2.7000e-004	5.0000e-005	3.1000e-004	0.0000	3.1578	3.1578	1.9000e-004	5.0000e-004	3.3121
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.7500e-003	0.0267	8.0000e-005	0.0105	6.0000e-005	0.0105	2.7800e-003	5.0000e-005	2.8300e-003	0.0000	7.8869	7.8869	1.6000e-004	1.8000e-004	7.9439
<b>Total</b>	<b>2.6200e-003</b>	<b>9.4800e-003</b>	<b>0.0287</b>	<b>1.1000e-004</b>	<b>0.0115</b>	<b>1.1000e-004</b>	<b>0.0116</b>	<b>3.0500e-003</b>	<b>1.0000e-004</b>	<b>3.1400e-003</b>	<b>0.0000</b>	<b>11.0447</b>	<b>11.0447</b>	<b>3.5000e-004</b>	<b>6.8000e-004</b>	<b>11.2560</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.6100e-003	0.0000	7.6100e-003	1.9500e-003	0.0000	1.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0741	0.7281	0.6317	1.9500e-003		0.0249	0.0249		0.0229	0.0229	0.0000	171.4267	171.4267	0.0554	0.0000	172.8128
<b>Total</b>	<b>0.0741</b>	<b>0.7281</b>	<b>0.6317</b>	<b>1.9500e-003</b>	<b>7.6100e-003</b>	<b>0.0249</b>	<b>0.0325</b>	<b>1.9500e-003</b>	<b>0.0229</b>	<b>0.0248</b>	<b>0.0000</b>	<b>171.4267</b>	<b>171.4267</b>	<b>0.0554</b>	<b>0.0000</b>	<b>172.8128</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2000e-004	7.7300e-003	2.0800e-003	3.0000e-005	9.8000e-004	5.0000e-005	1.0300e-003	2.7000e-004	5.0000e-005	3.1000e-004	0.0000	3.1578	3.1578	1.9000e-004	5.0000e-004	3.3121
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.7500e-003	0.0267	8.0000e-005	0.0105	6.0000e-005	0.0105	2.7800e-003	5.0000e-005	2.8300e-003	0.0000	7.8869	7.8869	1.6000e-004	1.8000e-004	7.9439
<b>Total</b>	<b>2.6200e-003</b>	<b>9.4800e-003</b>	<b>0.0287</b>	<b>1.1000e-004</b>	<b>0.0115</b>	<b>1.1000e-004</b>	<b>0.0116</b>	<b>3.0500e-003</b>	<b>1.0000e-004</b>	<b>3.1400e-003</b>	<b>0.0000</b>	<b>11.0447</b>	<b>11.0447</b>	<b>3.5000e-004</b>	<b>6.8000e-004</b>	<b>11.2560</b>

**3.3 Pavement Removal - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8000e-004	0.0000	5.8000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0654	0.5095	0.5595	1.5400e-003		0.0252	0.0252		0.0232	0.0232	0.0000	135.2941	135.2941	0.0438	0.0000	136.3880
<b>Total</b>	<b>0.0654</b>	<b>0.5095</b>	<b>0.5595</b>	<b>1.5400e-003</b>	<b>5.8000e-004</b>	<b>0.0252</b>	<b>0.0258</b>	<b>9.0000e-005</b>	<b>0.0232</b>	<b>0.0233</b>	<b>0.0000</b>	<b>135.2941</b>	<b>135.2941</b>	<b>0.0438</b>	<b>0.0000</b>	<b>136.3880</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Pavement Removal - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	7.5000e-004	2.0000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.3086	0.3086	2.0000e-005	5.0000e-005	0.3237
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	2.4700e-003	0.0363	1.1000e-004	0.0250	8.0000e-005	0.0251	6.4200e-003	7.0000e-005	6.4900e-003	0.0000	10.3298	10.3298	2.3000e-004	2.4000e-004	10.4075
<b>Total</b>	<b>3.4100e-003</b>	<b>3.2200e-003</b>	<b>0.0365</b>	<b>1.1000e-004</b>	<b>0.0252</b>	<b>8.0000e-005</b>	<b>0.0253</b>	<b>6.4600e-003</b>	<b>7.0000e-005</b>	<b>6.5400e-003</b>	<b>0.0000</b>	<b>10.6384</b>	<b>10.6384</b>	<b>2.5000e-004</b>	<b>2.9000e-004</b>	<b>10.7311</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.6000e-004	0.0000	2.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0654	0.5095	0.5594	1.5400e-003		0.0252	0.0252		0.0232	0.0232	0.0000	135.2939	135.2939	0.0438	0.0000	136.3879
<b>Total</b>	<b>0.0654</b>	<b>0.5095</b>	<b>0.5594</b>	<b>1.5400e-003</b>	<b>2.6000e-004</b>	<b>0.0252</b>	<b>0.0255</b>	<b>4.0000e-005</b>	<b>0.0232</b>	<b>0.0232</b>	<b>0.0000</b>	<b>135.2939</b>	<b>135.2939</b>	<b>0.0438</b>	<b>0.0000</b>	<b>136.3879</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Pavement Removal - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	7.5000e-004	2.0000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.3086	0.3086	2.0000e-005	5.0000e-005	0.3237
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	2.4700e-003	0.0363	1.1000e-004	0.0250	8.0000e-005	0.0251	6.4200e-003	7.0000e-005	6.4900e-003	0.0000	10.3298	10.3298	2.3000e-004	2.4000e-004	10.4075
<b>Total</b>	<b>3.4100e-003</b>	<b>3.2200e-003</b>	<b>0.0365</b>	<b>1.1000e-004</b>	<b>0.0252</b>	<b>8.0000e-005</b>	<b>0.0253</b>	<b>6.4600e-003</b>	<b>7.0000e-005</b>	<b>6.5400e-003</b>	<b>0.0000</b>	<b>10.6384</b>	<b>10.6384</b>	<b>2.5000e-004</b>	<b>2.9000e-004</b>	<b>10.7311</b>

**3.3 Pavement Removal - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.1000e-004	0.0000	9.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1022	0.7958	0.8739	2.4100e-003		0.0394	0.0394		0.0362	0.0362	0.0000	211.3418	211.3418	0.0684	0.0000	213.0506
<b>Total</b>	<b>0.1022</b>	<b>0.7958</b>	<b>0.8739</b>	<b>2.4100e-003</b>	<b>9.1000e-004</b>	<b>0.0394</b>	<b>0.0403</b>	<b>1.4000e-004</b>	<b>0.0362</b>	<b>0.0364</b>	<b>0.0000</b>	<b>211.3418</b>	<b>211.3418</b>	<b>0.0684</b>	<b>0.0000</b>	<b>213.0506</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Pavement Removal - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.1600e-003	3.1000e-004	0.0000	2.6000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.4728	0.4728	3.0000e-005	8.0000e-005	0.4959
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-003	3.5100e-003	0.0533	1.7000e-004	0.0391	1.1000e-004	0.0392	0.0100	1.0000e-004	0.0101	0.0000	15.7738	15.7738	3.3000e-004	3.5000e-004	15.8878
<b>Total</b>	<b>5.0200e-003</b>	<b>4.6700e-003</b>	<b>0.0536</b>	<b>1.7000e-004</b>	<b>0.0394</b>	<b>1.2000e-004</b>	<b>0.0395</b>	<b>0.0101</b>	<b>1.1000e-004</b>	<b>0.0102</b>	<b>0.0000</b>	<b>16.2466</b>	<b>16.2466</b>	<b>3.6000e-004</b>	<b>4.3000e-004</b>	<b>16.3837</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1000e-004	0.0000	4.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1022	0.7958	0.8739	2.4100e-003		0.0394	0.0394		0.0362	0.0362	0.0000	211.3415	211.3415	0.0684	0.0000	213.0503
<b>Total</b>	<b>0.1022</b>	<b>0.7958</b>	<b>0.8739</b>	<b>2.4100e-003</b>	<b>4.1000e-004</b>	<b>0.0394</b>	<b>0.0398</b>	<b>6.0000e-005</b>	<b>0.0362</b>	<b>0.0363</b>	<b>0.0000</b>	<b>211.3415</b>	<b>211.3415</b>	<b>0.0684</b>	<b>0.0000</b>	<b>213.0503</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Pavement Removal - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.1600e-003	3.1000e-004	0.0000	2.6000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.4728	0.4728	3.0000e-005	8.0000e-005	0.4959
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-003	3.5100e-003	0.0533	1.7000e-004	0.0391	1.1000e-004	0.0392	0.0100	1.0000e-004	0.0101	0.0000	15.7738	15.7738	3.3000e-004	3.5000e-004	15.8878
<b>Total</b>	<b>5.0200e-003</b>	<b>4.6700e-003</b>	<b>0.0536</b>	<b>1.7000e-004</b>	<b>0.0394</b>	<b>1.2000e-004</b>	<b>0.0395</b>	<b>0.0101</b>	<b>1.1000e-004</b>	<b>0.0102</b>	<b>0.0000</b>	<b>16.2466</b>	<b>16.2466</b>	<b>3.6000e-004</b>	<b>4.3000e-004</b>	<b>16.3837</b>

**3.4 Pipeline Installation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.1522	0.2532	3.5000e-004		6.1900e-003	6.1900e-003		5.6900e-003	5.6900e-003	0.0000	31.1315	31.1315	0.0101	0.0000	31.3832
<b>Total</b>	<b>0.0149</b>	<b>0.1522</b>	<b>0.2532</b>	<b>3.5000e-004</b>		<b>6.1900e-003</b>	<b>6.1900e-003</b>		<b>5.6900e-003</b>	<b>5.6900e-003</b>	<b>0.0000</b>	<b>31.1315</b>	<b>31.1315</b>	<b>0.0101</b>	<b>0.0000</b>	<b>31.3832</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Pipeline Installation - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0600e-003	7.7000e-004	0.0114	3.0000e-005	4.1900e-003	2.0000e-005	4.2200e-003	1.1100e-003	2.0000e-005	1.1300e-003	0.0000	3.2281	3.2281	7.0000e-005	8.0000e-005	3.2523
<b>Total</b>	<b>1.0600e-003</b>	<b>7.7000e-004</b>	<b>0.0114</b>	<b>3.0000e-005</b>	<b>4.1900e-003</b>	<b>2.0000e-005</b>	<b>4.2200e-003</b>	<b>1.1100e-003</b>	<b>2.0000e-005</b>	<b>1.1300e-003</b>	<b>0.0000</b>	<b>3.2281</b>	<b>3.2281</b>	<b>7.0000e-005</b>	<b>8.0000e-005</b>	<b>3.2523</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.1522	0.2532	3.5000e-004		6.1900e-003	6.1900e-003		5.6900e-003	5.6900e-003	0.0000	31.1314	31.1314	0.0101	0.0000	31.3832
<b>Total</b>	<b>0.0149</b>	<b>0.1522</b>	<b>0.2532</b>	<b>3.5000e-004</b>		<b>6.1900e-003</b>	<b>6.1900e-003</b>		<b>5.6900e-003</b>	<b>5.6900e-003</b>	<b>0.0000</b>	<b>31.1314</b>	<b>31.1314</b>	<b>0.0101</b>	<b>0.0000</b>	<b>31.3832</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Pipeline Installation - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0600e-003	7.7000e-004	0.0114	3.0000e-005	4.1900e-003	2.0000e-005	4.2200e-003	1.1100e-003	2.0000e-005	1.1300e-003	0.0000	3.2281	3.2281	7.0000e-005	8.0000e-005	3.2523
<b>Total</b>	<b>1.0600e-003</b>	<b>7.7000e-004</b>	<b>0.0114</b>	<b>3.0000e-005</b>	<b>4.1900e-003</b>	<b>2.0000e-005</b>	<b>4.2200e-003</b>	<b>1.1100e-003</b>	<b>2.0000e-005</b>	<b>1.1300e-003</b>	<b>0.0000</b>	<b>3.2281</b>	<b>3.2281</b>	<b>7.0000e-005</b>	<b>8.0000e-005</b>	<b>3.2523</b>

**3.4 Pipeline Installation - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0233	0.2377	0.3955	5.5000e-004		9.6600e-003	9.6600e-003		8.8900e-003	8.8900e-003	0.0000	48.6302	48.6302	0.0157	0.0000	49.0234
<b>Total</b>	<b>0.0233</b>	<b>0.2377</b>	<b>0.3955</b>	<b>5.5000e-004</b>		<b>9.6600e-003</b>	<b>9.6600e-003</b>		<b>8.8900e-003</b>	<b>8.8900e-003</b>	<b>0.0000</b>	<b>48.6302</b>	<b>48.6302</b>	<b>0.0157</b>	<b>0.0000</b>	<b>49.0234</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Pipeline Installation - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5600e-003	1.1000e-003	0.0167	5.0000e-005	6.5500e-003	4.0000e-005	6.5800e-003	1.7400e-003	3.0000e-005	1.7700e-003	0.0000	4.9293	4.9293	1.0000e-004	1.1000e-004	4.9649
<b>Total</b>	<b>1.5600e-003</b>	<b>1.1000e-003</b>	<b>0.0167</b>	<b>5.0000e-005</b>	<b>6.5500e-003</b>	<b>4.0000e-005</b>	<b>6.5800e-003</b>	<b>1.7400e-003</b>	<b>3.0000e-005</b>	<b>1.7700e-003</b>	<b>0.0000</b>	<b>4.9293</b>	<b>4.9293</b>	<b>1.0000e-004</b>	<b>1.1000e-004</b>	<b>4.9649</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0233	0.2377	0.3955	5.5000e-004		9.6600e-003	9.6600e-003		8.8900e-003	8.8900e-003	0.0000	48.6302	48.6302	0.0157	0.0000	49.0234
<b>Total</b>	<b>0.0233</b>	<b>0.2377</b>	<b>0.3955</b>	<b>5.5000e-004</b>		<b>9.6600e-003</b>	<b>9.6600e-003</b>		<b>8.8900e-003</b>	<b>8.8900e-003</b>	<b>0.0000</b>	<b>48.6302</b>	<b>48.6302</b>	<b>0.0157</b>	<b>0.0000</b>	<b>49.0234</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Pipeline Installation - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5600e-003	1.1000e-003	0.0167	5.0000e-005	6.5500e-003	4.0000e-005	6.5800e-003	1.7400e-003	3.0000e-005	1.7700e-003	0.0000	4.9293	4.9293	1.0000e-004	1.1000e-004	4.9649
<b>Total</b>	<b>1.5600e-003</b>	<b>1.1000e-003</b>	<b>0.0167</b>	<b>5.0000e-005</b>	<b>6.5500e-003</b>	<b>4.0000e-005</b>	<b>6.5800e-003</b>	<b>1.7400e-003</b>	<b>3.0000e-005</b>	<b>1.7700e-003</b>	<b>0.0000</b>	<b>4.9293</b>	<b>4.9293</b>	<b>1.0000e-004</b>	<b>1.1000e-004</b>	<b>4.9649</b>

**3.5 Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0238	0.2315	0.3628	5.6000e-004		0.0112	0.0112		0.0103	0.0103	0.0000	49.2082	49.2082	0.0159	0.0000	49.6060
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0238</b>	<b>0.2315</b>	<b>0.3628</b>	<b>5.6000e-004</b>		<b>0.0112</b>	<b>0.0112</b>		<b>0.0103</b>	<b>0.0103</b>	<b>0.0000</b>	<b>49.2082</b>	<b>49.2082</b>	<b>0.0159</b>	<b>0.0000</b>	<b>49.6060</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-003	1.2400e-003	0.0182	5.0000e-005	6.7100e-003	4.0000e-005	6.7400e-003	1.7800e-003	3.0000e-005	1.8200e-003	0.0000	5.1649	5.1649	1.2000e-004	1.2000e-004	5.2037
<b>Total</b>	<b>1.7000e-003</b>	<b>1.2400e-003</b>	<b>0.0182</b>	<b>5.0000e-005</b>	<b>6.7100e-003</b>	<b>4.0000e-005</b>	<b>6.7400e-003</b>	<b>1.7800e-003</b>	<b>3.0000e-005</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>5.1649</b>	<b>5.1649</b>	<b>1.2000e-004</b>	<b>1.2000e-004</b>	<b>5.2037</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0238	0.2315	0.3628	5.6000e-004		0.0112	0.0112		0.0103	0.0103	0.0000	49.2081	49.2081	0.0159	0.0000	49.6060
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0238</b>	<b>0.2315</b>	<b>0.3628</b>	<b>5.6000e-004</b>		<b>0.0112</b>	<b>0.0112</b>		<b>0.0103</b>	<b>0.0103</b>	<b>0.0000</b>	<b>49.2081</b>	<b>49.2081</b>	<b>0.0159</b>	<b>0.0000</b>	<b>49.6060</b>

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**3.5 Paving - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-003	1.2400e-003	0.0182	5.0000e-005	6.7100e-003	4.0000e-005	6.7400e-003	1.7800e-003	3.0000e-005	1.8200e-003	0.0000	5.1649	5.1649	1.2000e-004	1.2000e-004	5.2037
<b>Total</b>	<b>1.7000e-003</b>	<b>1.2400e-003</b>	<b>0.0182</b>	<b>5.0000e-005</b>	<b>6.7100e-003</b>	<b>4.0000e-005</b>	<b>6.7400e-003</b>	<b>1.7800e-003</b>	<b>3.0000e-005</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>5.1649</b>	<b>5.1649</b>	<b>1.2000e-004</b>	<b>1.2000e-004</b>	<b>5.2037</b>

**3.5 Paving - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0371	0.3616	0.5667	8.8000e-004		0.0175	0.0175		0.0161	0.0161	0.0000	76.8677	76.8677	0.0249	0.0000	77.4892
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0371</b>	<b>0.3616</b>	<b>0.5667</b>	<b>8.8000e-004</b>		<b>0.0175</b>	<b>0.0175</b>		<b>0.0161</b>	<b>0.0161</b>	<b>0.0000</b>	<b>76.8677</b>	<b>76.8677</b>	<b>0.0249</b>	<b>0.0000</b>	<b>77.4892</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.7500e-003	0.0267	8.0000e-005	0.0105	6.0000e-005	0.0105	2.7800e-003	5.0000e-005	2.8300e-003	0.0000	7.8869	7.8869	1.6000e-004	1.8000e-004	7.9439
<b>Total</b>	<b>2.5000e-003</b>	<b>1.7500e-003</b>	<b>0.0267</b>	<b>8.0000e-005</b>	<b>0.0105</b>	<b>6.0000e-005</b>	<b>0.0105</b>	<b>2.7800e-003</b>	<b>5.0000e-005</b>	<b>2.8300e-003</b>	<b>0.0000</b>	<b>7.8869</b>	<b>7.8869</b>	<b>1.6000e-004</b>	<b>1.8000e-004</b>	<b>7.9439</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0371	0.3616	0.5667	8.8000e-004		0.0175	0.0175		0.0161	0.0161	0.0000	76.8676	76.8676	0.0249	0.0000	77.4891
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0371</b>	<b>0.3616</b>	<b>0.5667</b>	<b>8.8000e-004</b>		<b>0.0175</b>	<b>0.0175</b>		<b>0.0161</b>	<b>0.0161</b>	<b>0.0000</b>	<b>76.8676</b>	<b>76.8676</b>	<b>0.0249</b>	<b>0.0000</b>	<b>77.4891</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.7500e-003	0.0267	8.0000e-005	0.0105	6.0000e-005	0.0105	2.7800e-003	5.0000e-005	2.8300e-003	0.0000	7.8869	7.8869	1.6000e-004	1.8000e-004	7.9439
<b>Total</b>	<b>2.5000e-003</b>	<b>1.7500e-003</b>	<b>0.0267</b>	<b>8.0000e-005</b>	<b>0.0105</b>	<b>6.0000e-005</b>	<b>0.0105</b>	<b>2.7800e-003</b>	<b>5.0000e-005</b>	<b>2.8300e-003</b>	<b>0.0000</b>	<b>7.8869</b>	<b>7.8869</b>	<b>1.6000e-004</b>	<b>1.8000e-004</b>	<b>7.9439</b>

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318





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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1427					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1427</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>							

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Haynes Generating Station  
Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	39,500.00	User Defined Unit	0.91	39,500.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Data Provided by the Engineer

Construction Phase - Construction phases would occur at the same time, progress along the alignment.

Construction Off-road Equipment Mitigation -

Off-road Equipment - construction equipment provided by the engineer

Off-road Equipment - Construction equipment provided by the engineer

Off-road Equipment -

Off-road Equipment - Construction equipment provided by the engineer

Off-road Equipment - Construction equipment provided by the engineer

Grading - Assume paving material haul truck capacity is 14 tons

Assume total acres graded is 1 acre

Demolition -

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Trips and VMT - # Trips Vendor (/day) TBD

Architectural Coating - No Architectural Coatings would apply

Area Coating - No Area Architectural Coatings would apply

Landscape Equipment - No Landscape Equipments would use

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	19750	0
tblAreaCoating	Area_Nonresidential_Interior	59250	0
tblConstructionPhase	NumDays	1.00	392.00
tblConstructionPhase	NumDays	5.00	392.00
tblConstructionPhase	NumDays	10.00	392.00
tblConstructionPhase	PhaseEndDate	11/5/2025	12/1/2026
tblConstructionPhase	PhaseEndDate	6/13/2025	12/1/2026
tblConstructionPhase	PhaseEndDate	11/12/2025	12/1/2026
tblConstructionPhase	PhaseEndDate	6/16/2025	12/1/2026
tblConstructionPhase	PhaseStartDate	6/19/2025	6/1/2025
tblConstructionPhase	PhaseStartDate	11/6/2025	6/1/2025
tblConstructionPhase	PhaseStartDate	6/14/2025	6/1/2025
tblGrading	AcresOfGrading	196.00	1.00
tblGrading	MaterialExported	0.00	140.00
tblGrading	MaterialImported	0.00	1,750.00
tblGrading	MaterialSiltContent	6.90	4.30
tblGrading	MeanVehicleSpeed	7.10	40.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LandUseSquareFeet	0.00	39,500.00
tblLandUse	LotAcreage	0.00	0.91
tblOffRoadEquipment	HorsePower	158.00	187.00
tblOffRoadEquipment	HorsePower	402.00	9.00

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblOffRoadEquipment	HorsePower	172.00	81.00
tblOffRoadEquipment	HorsePower	158.00	89.00
tblOffRoadEquipment	HorsePower	158.00	187.00
tblOffRoadEquipment	HorsePower	402.00	247.00
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	LoadFactor	0.38	0.56
tblOffRoadEquipment	LoadFactor	0.42	0.73
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType	Forklifts	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

**2.0 Emissions Summary**

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.0851	17.9050	21.8336	0.0522	0.6735	0.7680	1.4415	0.1739	0.7066	0.8805	0.0000	5,080.529 4	5,080.529 4	1.5260	0.0128	5,122.504 4
2026	2.0790	17.8982	21.7633	0.0521	0.6735	0.7679	1.4414	0.1739	0.7065	0.8804	0.0000	5,071.815 5	5,071.815 5	1.5252	0.0123	5,113.615 7
<b>Maximum</b>	<b>2.0851</b>	<b>17.9050</b>	<b>21.8336</b>	<b>0.0522</b>	<b>0.6735</b>	<b>0.7680</b>	<b>1.4415</b>	<b>0.1739</b>	<b>0.7066</b>	<b>0.8805</b>	<b>0.0000</b>	<b>5,080.529 4</b>	<b>5,080.529 4</b>	<b>1.5260</b>	<b>0.0128</b>	<b>5,122.504 4</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.0851	17.9050	21.8336	0.0522	0.6219	0.7680	1.3899	0.1611	0.7066	0.8678	0.0000	5,080.529 4	5,080.529 4	1.5260	0.0128	5,122.504 4
2026	2.0790	17.8982	21.7633	0.0521	0.6219	0.7679	1.3898	0.1611	0.7065	0.8677	0.0000	5,071.815 5	5,071.815 5	1.5252	0.0123	5,113.615 7
<b>Maximum</b>	<b>2.0851</b>	<b>17.9050</b>	<b>21.8336</b>	<b>0.0522</b>	<b>0.6219</b>	<b>0.7680</b>	<b>1.3899</b>	<b>0.1611</b>	<b>0.7066</b>	<b>0.8678</b>	<b>0.0000</b>	<b>5,080.529 4</b>	<b>5,080.529 4</b>	<b>1.5260</b>	<b>0.0128</b>	<b>5,122.504 4</b>

## Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	7.67	0.00	3.58	7.35	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1525	0.0365	4.0225	3.0000e-004		0.0143	0.0143		0.0143	0.0143		8.6447	8.6447	0.0225		9.2068
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.1525</b>	<b>0.0365</b>	<b>4.0225</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.0143</b>	<b>0.0143</b>	<b>0.0000</b>	<b>0.0143</b>	<b>0.0143</b>		<b>8.6447</b>	<b>8.6447</b>	<b>0.0225</b>	<b>0.0000</b>	<b>9.2068</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1525	0.0365	4.0225	3.0000e-004		0.0143	0.0143		0.0143	0.0143		8.6447	8.6447	0.0225		9.2068
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.1525</b>	<b>0.0365</b>	<b>4.0225</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.0143</b>	<b>0.0143</b>	<b>0.0000</b>	<b>0.0143</b>	<b>0.0143</b>		<b>8.6447</b>	<b>8.6447</b>	<b>0.0225</b>	<b>0.0000</b>	<b>9.2068</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2025	12/1/2026	5	392	
2	Pavement Removal	Demolition	6/1/2025	12/1/2026	5	392	
3	Pipeline Installation	Trenching	6/1/2025	12/1/2026	5	392	
4	Paving	Paving	6/1/2025	12/1/2026	5	392	

**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	187	0.41
Paving	Off-Highway Trucks	1	8.00	9	0.56
Pavement Removal	Other Construction Equipment	1	8.00	81	0.73
Pipeline Installation	Cranes	0	8.00	231	0.29
Pipeline Installation	Excavators	1	8.00	89	0.20
Pavement Removal	Concrete/Industrial Saws	0	8.00	81	0.73
Pavement Removal	Excavators	1	8.00	187	0.41

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	1	8.00	80	0.38
Pavement Removal	Off-Highway Trucks	1	8.00	247	0.40
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Pipeline Installation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pavement Removal	Rubber Tired Dozers	0	8.00	247	0.40
Pavement Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pavement Removal	3	8.00	0.00	14.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pavement Removal	3	8.00	0.00	14.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline Installation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	187.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0863	0.0000	0.0863	0.0221	0.0000	0.0221			0.0000			0.0000
Off-Road	0.6200	6.0928	5.2860	0.0163		0.2081	0.2081		0.1914	0.1914		1,581.3039	1,581.3039	0.5114		1,594.0895
<b>Total</b>	<b>0.6200</b>	<b>6.0928</b>	<b>5.2860</b>	<b>0.0163</b>	<b>0.0863</b>	<b>0.2081</b>	<b>0.2944</b>	<b>0.0221</b>	<b>0.1914</b>	<b>0.2135</b>		<b>1,581.3039</b>	<b>1,581.3039</b>	<b>0.5114</b>		<b>1,594.0895</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0200e-003	0.0620	0.0171	2.7000e-004	8.3500e-003	4.0000e-004	8.7500e-003	2.2900e-003	3.8000e-004	2.6700e-003		29.6850	29.6850	1.7300e-003	4.7200e-003	31.1340
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0223	0.0143	0.2515	7.4000e-004	0.0894	4.9000e-004	0.0899	0.0237	4.5000e-004	0.0242		77.3978	77.3978	1.6500e-003	1.6000e-003	77.9169
<b>Total</b>	<b>0.0234</b>	<b>0.0763</b>	<b>0.2686</b>	<b>1.0100e-003</b>	<b>0.0978</b>	<b>8.9000e-004</b>	<b>0.0987</b>	<b>0.0260</b>	<b>8.3000e-004</b>	<b>0.0268</b>		<b>107.0828</b>	<b>107.0828</b>	<b>3.3800e-003</b>	<b>6.3200e-003</b>	<b>109.0509</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0388	0.0000	0.0388	9.9300e-003	0.0000	9.9300e-003			0.0000			0.0000
Off-Road	0.6200	6.0928	5.2860	0.0163		0.2081	0.2081		0.1914	0.1914	0.0000	1,581.3039	1,581.3039	0.5114		1,594.0895
<b>Total</b>	<b>0.6200</b>	<b>6.0928</b>	<b>5.2860</b>	<b>0.0163</b>	<b>0.0388</b>	<b>0.2081</b>	<b>0.2469</b>	<b>9.9300e-003</b>	<b>0.1914</b>	<b>0.2014</b>	<b>0.0000</b>	<b>1,581.3039</b>	<b>1,581.3039</b>	<b>0.5114</b>		<b>1,594.0895</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0200e-003	0.0620	0.0171	2.7000e-004	8.3500e-003	4.0000e-004	8.7500e-003	2.2900e-003	3.8000e-004	2.6700e-003		29.6850	29.6850	1.7300e-003	4.7200e-003	31.1340
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0223	0.0143	0.2515	7.4000e-004	0.0894	4.9000e-004	0.0899	0.0237	4.5000e-004	0.0242		77.3978	77.3978	1.6500e-003	1.6000e-003	77.9169
<b>Total</b>	<b>0.0234</b>	<b>0.0763</b>	<b>0.2686</b>	<b>1.0100e-003</b>	<b>0.0978</b>	<b>8.9000e-004</b>	<b>0.0987</b>	<b>0.0260</b>	<b>8.3000e-004</b>	<b>0.0268</b>		<b>107.0828</b>	<b>107.0828</b>	<b>3.3800e-003</b>	<b>6.3200e-003</b>	<b>109.0509</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0863	0.0000	0.0863	0.0221	0.0000	0.0221			0.0000			0.0000
Off-Road	0.6200	6.0928	5.2860	0.0163		0.2081	0.2081		0.1914	0.1914		1,581.3039	1,581.3039	0.5114		1,594.0895
<b>Total</b>	<b>0.6200</b>	<b>6.0928</b>	<b>5.2860</b>	<b>0.0163</b>	<b>0.0863</b>	<b>0.2081</b>	<b>0.2944</b>	<b>0.0221</b>	<b>0.1914</b>	<b>0.2135</b>		<b>1,581.3039</b>	<b>1,581.3039</b>	<b>0.5114</b>		<b>1,594.0895</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0100e-003	0.0614	0.0173	2.6000e-004	8.3500e-003	3.9000e-004	8.7500e-003	2.2900e-003	3.8000e-004	2.6700e-003		29.1152	29.1152	1.7400e-003	4.6300e-003	30.5382
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0210	0.0130	0.2362	7.2000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		75.6554	75.6554	1.4900e-003	1.5100e-003	76.1431
<b>Total</b>	<b>0.0220</b>	<b>0.0744</b>	<b>0.2536</b>	<b>9.8000e-004</b>	<b>0.0978</b>	<b>8.6000e-004</b>	<b>0.0986</b>	<b>0.0260</b>	<b>8.1000e-004</b>	<b>0.0268</b>		<b>104.7706</b>	<b>104.7706</b>	<b>3.2300e-003</b>	<b>6.1400e-003</b>	<b>106.6813</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2026**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0388	0.0000	0.0388	9.9300e-003	0.0000	9.9300e-003			0.0000			0.0000
Off-Road	0.6200	6.0928	5.2860	0.0163		0.2081	0.2081		0.1914	0.1914	0.0000	1,581.3039	1,581.3039	0.5114		1,594.0895
<b>Total</b>	<b>0.6200</b>	<b>6.0928</b>	<b>5.2860</b>	<b>0.0163</b>	<b>0.0388</b>	<b>0.2081</b>	<b>0.2469</b>	<b>9.9300e-003</b>	<b>0.1914</b>	<b>0.2014</b>	<b>0.0000</b>	<b>1,581.3039</b>	<b>1,581.3039</b>	<b>0.5114</b>		<b>1,594.0895</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0100e-003	0.0614	0.0173	2.6000e-004	8.3500e-003	3.9000e-004	8.7500e-003	2.2900e-003	3.8000e-004	2.6700e-003		29.1152	29.1152	1.7400e-003	4.6300e-003	30.5382
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0210	0.0130	0.2362	7.2000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		75.6554	75.6554	1.4900e-003	1.5100e-003	76.1431
<b>Total</b>	<b>0.0220</b>	<b>0.0744</b>	<b>0.2536</b>	<b>9.8000e-004</b>	<b>0.0978</b>	<b>8.6000e-004</b>	<b>0.0986</b>	<b>0.0260</b>	<b>8.1000e-004</b>	<b>0.0268</b>		<b>104.7706</b>	<b>104.7706</b>	<b>3.2300e-003</b>	<b>6.1400e-003</b>	<b>106.6813</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Pavement Removal - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6400e-003	0.0000	7.6400e-003	1.1600e-003	0.0000	1.1600e-003			0.0000			0.0000
Off-Road	0.8548	6.6597	7.3130	0.0201		0.3296	0.3296		0.3032	0.3032		1,949.4930	1,949.4930	0.6305		1,965.2557
<b>Total</b>	<b>0.8548</b>	<b>6.6597</b>	<b>7.3130</b>	<b>0.0201</b>	<b>7.6400e-003</b>	<b>0.3296</b>	<b>0.3372</b>	<b>1.1600e-003</b>	<b>0.3032</b>	<b>0.3044</b>		<b>1,949.4930</b>	<b>1,949.4930</b>	<b>0.6305</b>		<b>1,965.2557</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5000e-004	9.2900e-003	2.5700e-003	4.0000e-005	2.1900e-003	6.0000e-005	2.2500e-003	5.7000e-004	6.0000e-005	6.3000e-004		4.4448	4.4448	2.6000e-004	7.1000e-004	4.6618
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0287	0.5030	1.4900e-003	0.3343	9.9000e-004	0.3353	0.0856	9.1000e-004	0.0865		154.7956	154.7956	3.2900e-003	3.2100e-003	155.8337
<b>Total</b>	<b>0.0448</b>	<b>0.0380</b>	<b>0.5055</b>	<b>1.5300e-003</b>	<b>0.3365</b>	<b>1.0500e-003</b>	<b>0.3376</b>	<b>0.0862</b>	<b>9.7000e-004</b>	<b>0.0871</b>		<b>159.2404</b>	<b>159.2404</b>	<b>3.5500e-003</b>	<b>3.9200e-003</b>	<b>160.4955</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Pavement Removal - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4400e-003	0.0000	3.4400e-003	5.2000e-004	0.0000	5.2000e-004			0.0000			0.0000
Off-Road	0.8548	6.6597	7.3130	0.0201		0.3296	0.3296		0.3032	0.3032	0.0000	1,949.4930	1,949.4930	0.6305		1,965.2557
<b>Total</b>	<b>0.8548</b>	<b>6.6597</b>	<b>7.3130</b>	<b>0.0201</b>	<b>3.4400e-003</b>	<b>0.3296</b>	<b>0.3330</b>	<b>5.2000e-004</b>	<b>0.3032</b>	<b>0.3038</b>	<b>0.0000</b>	<b>1,949.4930</b>	<b>1,949.4930</b>	<b>0.6305</b>		<b>1,965.2557</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5000e-004	9.2900e-003	2.5700e-003	4.0000e-005	2.1900e-003	6.0000e-005	2.2500e-003	5.7000e-004	6.0000e-005	6.3000e-004		4.4448	4.4448	2.6000e-004	7.1000e-004	4.6618
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0287	0.5030	1.4900e-003	0.3343	9.9000e-004	0.3353	0.0856	9.1000e-004	0.0865		154.7956	154.7956	3.2900e-003	3.2100e-003	155.8337
<b>Total</b>	<b>0.0448</b>	<b>0.0380</b>	<b>0.5055</b>	<b>1.5300e-003</b>	<b>0.3365</b>	<b>1.0500e-003</b>	<b>0.3376</b>	<b>0.0862</b>	<b>9.7000e-004</b>	<b>0.0871</b>		<b>159.2404</b>	<b>159.2404</b>	<b>3.5500e-003</b>	<b>3.9200e-003</b>	<b>160.4955</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Pavement Removal - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6400e-003	0.0000	7.6400e-003	1.1600e-003	0.0000	1.1600e-003			0.0000			0.0000
Off-Road	0.8548	6.6597	7.3130	0.0201		0.3296	0.3296		0.3032	0.3032		1,949.4930	1,949.4930	0.6305		1,965.2557
<b>Total</b>	<b>0.8548</b>	<b>6.6597</b>	<b>7.3130</b>	<b>0.0201</b>	<b>7.6400e-003</b>	<b>0.3296</b>	<b>0.3372</b>	<b>1.1600e-003</b>	<b>0.3032</b>	<b>0.3044</b>		<b>1,949.4930</b>	<b>1,949.4930</b>	<b>0.6305</b>		<b>1,965.2557</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5000e-004	9.1900e-003	2.6000e-003	4.0000e-005	2.1900e-003	6.0000e-005	2.2500e-003	5.7000e-004	6.0000e-005	6.3000e-004		4.3595	4.3595	2.6000e-004	6.9000e-004	4.5726
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0420	0.0260	0.4725	1.4400e-003	0.3343	9.4000e-004	0.3353	0.0856	8.6000e-004	0.0865		151.3107	151.3107	2.9900e-003	3.0200e-003	152.2862
<b>Total</b>	<b>0.0422</b>	<b>0.0352</b>	<b>0.4751</b>	<b>1.4800e-003</b>	<b>0.3365</b>	<b>1.0000e-003</b>	<b>0.3375</b>	<b>0.0862</b>	<b>9.2000e-004</b>	<b>0.0871</b>		<b>155.6702</b>	<b>155.6702</b>	<b>3.2500e-003</b>	<b>3.7100e-003</b>	<b>156.8588</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Pavement Removal - 2026**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4400e-003	0.0000	3.4400e-003	5.2000e-004	0.0000	5.2000e-004			0.0000			0.0000
Off-Road	0.8548	6.6597	7.3130	0.0201		0.3296	0.3296		0.3032	0.3032	0.0000	1,949.4930	1,949.4930	0.6305		1,965.2557
<b>Total</b>	<b>0.8548</b>	<b>6.6597</b>	<b>7.3130</b>	<b>0.0201</b>	<b>3.4400e-003</b>	<b>0.3296</b>	<b>0.3330</b>	<b>5.2000e-004</b>	<b>0.3032</b>	<b>0.3038</b>	<b>0.0000</b>	<b>1,949.4930</b>	<b>1,949.4930</b>	<b>0.6305</b>		<b>1,965.2557</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5000e-004	9.1900e-003	2.6000e-003	4.0000e-005	2.1900e-003	6.0000e-005	2.2500e-003	5.7000e-004	6.0000e-005	6.3000e-004		4.3595	4.3595	2.6000e-004	6.9000e-004	4.5726
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0420	0.0260	0.4725	1.4400e-003	0.3343	9.4000e-004	0.3353	0.0856	8.6000e-004	0.0865		151.3107	151.3107	2.9900e-003	3.0200e-003	152.2862
<b>Total</b>	<b>0.0422</b>	<b>0.0352</b>	<b>0.4751</b>	<b>1.4800e-003</b>	<b>0.3365</b>	<b>1.0000e-003</b>	<b>0.3375</b>	<b>0.0862</b>	<b>9.2000e-004</b>	<b>0.0871</b>		<b>155.6702</b>	<b>155.6702</b>	<b>3.2500e-003</b>	<b>3.7100e-003</b>	<b>156.8588</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Pipeline Installation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1951	1.9889	3.3092	4.6300e-003		0.0809	0.0809		0.0744	0.0744		448.5826	448.5826	0.1451		452.2097
<b>Total</b>	<b>0.1951</b>	<b>1.9889</b>	<b>3.3092</b>	<b>4.6300e-003</b>		<b>0.0809</b>	<b>0.0809</b>		<b>0.0744</b>	<b>0.0744</b>		<b>448.5826</b>	<b>448.5826</b>	<b>0.1451</b>		<b>452.2097</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0140	8.9600e-003	0.1572	4.6000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.8000e-004	0.0151		48.3736	48.3736	1.0300e-003	1.0000e-003	48.6980
<b>Total</b>	<b>0.0140</b>	<b>8.9600e-003</b>	<b>0.1572</b>	<b>4.6000e-004</b>	<b>0.0559</b>	<b>3.1000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.8000e-004</b>	<b>0.0151</b>		<b>48.3736</b>	<b>48.3736</b>	<b>1.0300e-003</b>	<b>1.0000e-003</b>	<b>48.6980</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Pipeline Installation - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1951	1.9889	3.3092	4.6300e-003		0.0809	0.0809		0.0744	0.0744	0.0000	448.5826	448.5826	0.1451		452.2097
<b>Total</b>	<b>0.1951</b>	<b>1.9889</b>	<b>3.3092</b>	<b>4.6300e-003</b>		<b>0.0809</b>	<b>0.0809</b>		<b>0.0744</b>	<b>0.0744</b>	<b>0.0000</b>	<b>448.5826</b>	<b>448.5826</b>	<b>0.1451</b>		<b>452.2097</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0140	8.9600e-003	0.1572	4.6000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.8000e-004	0.0151		48.3736	48.3736	1.0300e-003	1.0000e-003	48.6980
<b>Total</b>	<b>0.0140</b>	<b>8.9600e-003</b>	<b>0.1572</b>	<b>4.6000e-004</b>	<b>0.0559</b>	<b>3.1000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.8000e-004</b>	<b>0.0151</b>		<b>48.3736</b>	<b>48.3736</b>	<b>1.0300e-003</b>	<b>1.0000e-003</b>	<b>48.6980</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Pipeline Installation - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1951	1.9889	3.3092	4.6300e-003		0.0809	0.0809		0.0744	0.0744		448.5826	448.5826	0.1451		452.2097
<b>Total</b>	<b>0.1951</b>	<b>1.9889</b>	<b>3.3092</b>	<b>4.6300e-003</b>		<b>0.0809</b>	<b>0.0809</b>		<b>0.0744</b>	<b>0.0744</b>		<b>448.5826</b>	<b>448.5826</b>	<b>0.1451</b>		<b>452.2097</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0131	8.1300e-003	0.1477	4.5000e-004	0.0559	2.9000e-004	0.0562	0.0148	2.7000e-004	0.0151		47.2846	47.2846	9.3000e-004	9.4000e-004	47.5895
<b>Total</b>	<b>0.0131</b>	<b>8.1300e-003</b>	<b>0.1477</b>	<b>4.5000e-004</b>	<b>0.0559</b>	<b>2.9000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.7000e-004</b>	<b>0.0151</b>		<b>47.2846</b>	<b>47.2846</b>	<b>9.3000e-004</b>	<b>9.4000e-004</b>	<b>47.5895</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Pipeline Installation - 2026**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1951	1.9889	3.3092	4.6300e-003		0.0809	0.0809		0.0744	0.0744	0.0000	448.5826	448.5826	0.1451		452.2097
<b>Total</b>	<b>0.1951</b>	<b>1.9889</b>	<b>3.3092</b>	<b>4.6300e-003</b>		<b>0.0809</b>	<b>0.0809</b>		<b>0.0744</b>	<b>0.0744</b>	<b>0.0000</b>	<b>448.5826</b>	<b>448.5826</b>	<b>0.1451</b>		<b>452.2097</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0131	8.1300e-003	0.1477	4.5000e-004	0.0559	2.9000e-004	0.0562	0.0148	2.7000e-004	0.0151		47.2846	47.2846	9.3000e-004	9.4000e-004	47.5895
<b>Total</b>	<b>0.0131</b>	<b>8.1300e-003</b>	<b>0.1477</b>	<b>4.5000e-004</b>	<b>0.0559</b>	<b>2.9000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.7000e-004</b>	<b>0.0151</b>		<b>47.2846</b>	<b>47.2846</b>	<b>9.3000e-004</b>	<b>9.4000e-004</b>	<b>47.5895</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3108	3.0261	4.7425	7.3300e-003		0.1467	0.1467		0.1350	0.1350		709.0552	709.0552	0.2293		714.7883
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.3108</b>	<b>3.0261</b>	<b>4.7425</b>	<b>7.3300e-003</b>		<b>0.1467</b>	<b>0.1467</b>		<b>0.1350</b>	<b>0.1350</b>		<b>709.0552</b>	<b>709.0552</b>	<b>0.2293</b>		<b>714.7883</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0223	0.0143	0.2515	7.4000e-004	0.0894	4.9000e-004	0.0899	0.0237	4.5000e-004	0.0242		77.3978	77.3978	1.6500e-003	1.6000e-003	77.9169
<b>Total</b>	<b>0.0223</b>	<b>0.0143</b>	<b>0.2515</b>	<b>7.4000e-004</b>	<b>0.0894</b>	<b>4.9000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.5000e-004</b>	<b>0.0242</b>		<b>77.3978</b>	<b>77.3978</b>	<b>1.6500e-003</b>	<b>1.6000e-003</b>	<b>77.9169</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3108	3.0261	4.7425	7.3300e-003		0.1467	0.1467		0.1350	0.1350	0.0000	709.0552	709.0552	0.2293		714.7883
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.3108</b>	<b>3.0261</b>	<b>4.7425</b>	<b>7.3300e-003</b>		<b>0.1467</b>	<b>0.1467</b>		<b>0.1350</b>	<b>0.1350</b>	<b>0.0000</b>	<b>709.0552</b>	<b>709.0552</b>	<b>0.2293</b>		<b>714.7883</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0223	0.0143	0.2515	7.4000e-004	0.0894	4.9000e-004	0.0899	0.0237	4.5000e-004	0.0242		77.3978	77.3978	1.6500e-003	1.6000e-003	77.9169
<b>Total</b>	<b>0.0223</b>	<b>0.0143</b>	<b>0.2515</b>	<b>7.4000e-004</b>	<b>0.0894</b>	<b>4.9000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.5000e-004</b>	<b>0.0242</b>		<b>77.3978</b>	<b>77.3978</b>	<b>1.6500e-003</b>	<b>1.6000e-003</b>	<b>77.9169</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3108	3.0261	4.7425	7.3300e-003		0.1467	0.1467		0.1350	0.1350		709.0552	709.0552	0.2293		714.7883
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.3108</b>	<b>3.0261</b>	<b>4.7425</b>	<b>7.3300e-003</b>		<b>0.1467</b>	<b>0.1467</b>		<b>0.1350</b>	<b>0.1350</b>		<b>709.0552</b>	<b>709.0552</b>	<b>0.2293</b>		<b>714.7883</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0210	0.0130	0.2362	7.2000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		75.6554	75.6554	1.4900e-003	1.5100e-003	76.1431
<b>Total</b>	<b>0.0210</b>	<b>0.0130</b>	<b>0.2362</b>	<b>7.2000e-004</b>	<b>0.0894</b>	<b>4.7000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.3000e-004</b>	<b>0.0242</b>		<b>75.6554</b>	<b>75.6554</b>	<b>1.4900e-003</b>	<b>1.5100e-003</b>	<b>76.1431</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2026**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3108	3.0261	4.7425	7.3300e-003		0.1467	0.1467		0.1350	0.1350	0.0000	709.0552	709.0552	0.2293		714.7883
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.3108</b>	<b>3.0261</b>	<b>4.7425</b>	<b>7.3300e-003</b>		<b>0.1467</b>	<b>0.1467</b>		<b>0.1350</b>	<b>0.1350</b>	<b>0.0000</b>	<b>709.0552</b>	<b>709.0552</b>	<b>0.2293</b>		<b>714.7883</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0210	0.0130	0.2362	7.2000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		75.6554	75.6554	1.4900e-003	1.5100e-003	76.1431
<b>Total</b>	<b>0.0210</b>	<b>0.0130</b>	<b>0.2362</b>	<b>7.2000e-004</b>	<b>0.0894</b>	<b>4.7000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.3000e-004</b>	<b>0.0242</b>		<b>75.6554</b>	<b>75.6554</b>	<b>1.4900e-003</b>	<b>1.5100e-003</b>	<b>76.1431</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

No Hearths Installed

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1525	0.0365	4.0225	3.0000e-004		0.0143	0.0143		0.0143	0.0143		8.6447	8.6447	0.0225		9.2068
Unmitigated	1.1525	0.0365	4.0225	3.0000e-004		0.0143	0.0143		0.0143	0.0143		8.6447	8.6447	0.0225		9.2068

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3704	0.0365	4.0225	3.0000e-004		0.0143	0.0143		0.0143	0.0143		8.6447	8.6447	0.0225		9.2068
<b>Total</b>	<b>1.1525</b>	<b>0.0365</b>	<b>4.0225</b>	<b>3.0000e-004</b>		<b>0.0143</b>	<b>0.0143</b>		<b>0.0143</b>	<b>0.0143</b>		<b>8.6447</b>	<b>8.6447</b>	<b>0.0225</b>		<b>9.2068</b>

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3704	0.0365	4.0225	3.0000e-004		0.0143	0.0143		0.0143	0.0143		8.6447	8.6447	0.0225		9.2068
<b>Total</b>	<b>1.1525</b>	<b>0.0365</b>	<b>4.0225</b>	<b>3.0000e-004</b>		<b>0.0143</b>	<b>0.0143</b>		<b>0.0143</b>	<b>0.0143</b>		<b>8.6447</b>	<b>8.6447</b>	<b>0.0225</b>		<b>9.2068</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Haynes Generating Station - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Haynes Generating Station  
Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	39,500.00	User Defined Unit	0.91	39,500.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Data Provided by the Engineer

Construction Phase - Construction phases would occur at the same time, progress along the alignment.

Construction Off-road Equipment Mitigation -

Off-road Equipment - construction equipment provided by the engineer

Off-road Equipment - Construction equipment provided by the engineer

Off-road Equipment -

Off-road Equipment - Construction equipment provided by the engineer

Off-road Equipment - Construction equipment provided by the engineer

Grading - Assume paving material haul truck capacity is 14 tons

Assume total acres graded is 1 acre

Demolition -

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Trips and VMT - # Trips Vendor (/day) TBD

Architectural Coating - No Architectural Coatings would apply

Area Coating - No Area Architectural Coatings would apply

Landscape Equipment - No Landscape Equipments would use

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	19750	0
tblAreaCoating	Area_Nonresidential_Interior	59250	0
tblConstructionPhase	NumDays	1.00	392.00
tblConstructionPhase	NumDays	5.00	392.00
tblConstructionPhase	NumDays	10.00	392.00
tblConstructionPhase	PhaseEndDate	11/5/2025	12/1/2026
tblConstructionPhase	PhaseEndDate	6/13/2025	12/1/2026
tblConstructionPhase	PhaseEndDate	11/12/2025	12/1/2026
tblConstructionPhase	PhaseEndDate	6/16/2025	12/1/2026
tblConstructionPhase	PhaseStartDate	6/19/2025	6/1/2025
tblConstructionPhase	PhaseStartDate	11/6/2025	6/1/2025
tblConstructionPhase	PhaseStartDate	6/14/2025	6/1/2025
tblGrading	AcresOfGrading	196.00	1.00
tblGrading	MaterialExported	0.00	140.00
tblGrading	MaterialImported	0.00	1,750.00
tblGrading	MaterialSiltContent	6.90	4.30
tblGrading	MeanVehicleSpeed	7.10	40.00
tblLandscapeEquipment	NumberSummerDays	250	0
tblLandUse	LandUseSquareFeet	0.00	39,500.00
tblLandUse	LotAcreage	0.00	0.91
tblOffRoadEquipment	HorsePower	158.00	187.00
tblOffRoadEquipment	HorsePower	402.00	9.00

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblOffRoadEquipment	HorsePower	172.00	81.00
tblOffRoadEquipment	HorsePower	158.00	89.00
tblOffRoadEquipment	HorsePower	158.00	187.00
tblOffRoadEquipment	HorsePower	402.00	247.00
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	LoadFactor	0.38	0.56
tblOffRoadEquipment	LoadFactor	0.42	0.73
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType	Forklifts	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

**2.0 Emissions Summary**

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Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.0935	17.9151	21.7416	0.0520	0.6735	0.7680	1.4415	0.1739	0.7066	0.8805	0.0000	5,061.7659	5,061.7659	1.5261	0.0133	5,103.8948
2026	2.0872	17.9076	21.6775	0.0519	0.6735	0.7679	1.4414	0.1739	0.7065	0.8804	0.0000	5,053.5045	5,053.5045	1.5254	0.0128	5,095.4494
<b>Maximum</b>	<b>2.0935</b>	<b>17.9151</b>	<b>21.7416</b>	<b>0.0520</b>	<b>0.6735</b>	<b>0.7680</b>	<b>1.4415</b>	<b>0.1739</b>	<b>0.7066</b>	<b>0.8805</b>	<b>0.0000</b>	<b>5,061.7659</b>	<b>5,061.7659</b>	<b>1.5261</b>	<b>0.0133</b>	<b>5,103.8948</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.0935	17.9151	21.7416	0.0520	0.6219	0.7680	1.3899	0.1611	0.7066	0.8678	0.0000	5,061.7659	5,061.7659	1.5261	0.0133	5,103.8948
2026	2.0872	17.9076	21.6775	0.0519	0.6219	0.7679	1.3898	0.1611	0.7065	0.8677	0.0000	5,053.5045	5,053.5045	1.5254	0.0128	5,095.4494
<b>Maximum</b>	<b>2.0935</b>	<b>17.9151</b>	<b>21.7416</b>	<b>0.0520</b>	<b>0.6219</b>	<b>0.7680</b>	<b>1.3899</b>	<b>0.1611</b>	<b>0.7066</b>	<b>0.8678</b>	<b>0.0000</b>	<b>5,061.7659</b>	<b>5,061.7659</b>	<b>1.5261</b>	<b>0.0133</b>	<b>5,103.8948</b>

## Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	7.67	0.00	3.58	7.35	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1525	0.0365	4.0225	3.0000e-004		0.0143	0.0143		0.0143	0.0143		8.6447	8.6447	0.0225		9.2068
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.1525</b>	<b>0.0365</b>	<b>4.0225</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.0143</b>	<b>0.0143</b>	<b>0.0000</b>	<b>0.0143</b>	<b>0.0143</b>		<b>8.6447</b>	<b>8.6447</b>	<b>0.0225</b>	<b>0.0000</b>	<b>9.2068</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1525	0.0365	4.0225	3.0000e-004		0.0143	0.0143		0.0143	0.0143		8.6447	8.6447	0.0225		9.2068
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.1525</b>	<b>0.0365</b>	<b>4.0225</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.0143</b>	<b>0.0143</b>	<b>0.0000</b>	<b>0.0143</b>	<b>0.0143</b>		<b>8.6447</b>	<b>8.6447</b>	<b>0.0225</b>	<b>0.0000</b>	<b>9.2068</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2025	12/1/2026	5	392	
2	Pavement Removal	Demolition	6/1/2025	12/1/2026	5	392	
3	Pipeline Installation	Trenching	6/1/2025	12/1/2026	5	392	
4	Paving	Paving	6/1/2025	12/1/2026	5	392	

**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	187	0.41
Paving	Off-Highway Trucks	1	8.00	9	0.56
Pavement Removal	Other Construction Equipment	1	8.00	81	0.73
Pipeline Installation	Cranes	0	8.00	231	0.29
Pipeline Installation	Excavators	1	8.00	89	0.20
Pavement Removal	Concrete/Industrial Saws	0	8.00	81	0.73
Pavement Removal	Excavators	1	8.00	187	0.41

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	1	8.00	80	0.38
Pavement Removal	Off-Highway Trucks	1	8.00	247	0.40
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Pipeline Installation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pavement Removal	Rubber Tired Dozers	0	8.00	247	0.40
Pavement Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pavement Removal	3	8.00	0.00	14.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pavement Removal	3	8.00	0.00	14.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline Installation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	187.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0863	0.0000	0.0863	0.0221	0.0000	0.0221			0.0000			0.0000
Off-Road	0.6200	6.0928	5.2860	0.0163		0.2081	0.2081		0.1914	0.1914		1,581.3039	1,581.3039	0.5114		1,594.0895
<b>Total</b>	<b>0.6200</b>	<b>6.0928</b>	<b>5.2860</b>	<b>0.0163</b>	<b>0.0863</b>	<b>0.2081</b>	<b>0.2944</b>	<b>0.0221</b>	<b>0.1914</b>	<b>0.2135</b>		<b>1,581.3039</b>	<b>1,581.3039</b>	<b>0.5114</b>		<b>1,594.0895</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.5000e-004	0.0648	0.0174	2.7000e-004	8.3500e-003	4.0000e-004	8.7500e-003	2.2900e-003	3.8000e-004	2.6700e-003		29.7171	29.7171	1.7200e-003	4.7200e-003	31.1676
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0242	0.0158	0.2315	7.0000e-004	0.0894	4.9000e-004	0.0899	0.0237	4.5000e-004	0.0242		73.3329	73.3329	1.6700e-003	1.7100e-003	73.8848
<b>Total</b>	<b>0.0251</b>	<b>0.0806</b>	<b>0.2489</b>	<b>9.7000e-004</b>	<b>0.0978</b>	<b>8.9000e-004</b>	<b>0.0987</b>	<b>0.0260</b>	<b>8.3000e-004</b>	<b>0.0268</b>		<b>103.0500</b>	<b>103.0500</b>	<b>3.3900e-003</b>	<b>6.4300e-003</b>	<b>105.0524</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0388	0.0000	0.0388	9.9300e-003	0.0000	9.9300e-003			0.0000			0.0000
Off-Road	0.6200	6.0928	5.2860	0.0163		0.2081	0.2081		0.1914	0.1914	0.0000	1,581.3039	1,581.3039	0.5114		1,594.0895
<b>Total</b>	<b>0.6200</b>	<b>6.0928</b>	<b>5.2860</b>	<b>0.0163</b>	<b>0.0388</b>	<b>0.2081</b>	<b>0.2469</b>	<b>9.9300e-003</b>	<b>0.1914</b>	<b>0.2014</b>	<b>0.0000</b>	<b>1,581.3039</b>	<b>1,581.3039</b>	<b>0.5114</b>		<b>1,594.0895</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.5000e-004	0.0648	0.0174	2.7000e-004	8.3500e-003	4.0000e-004	8.7500e-003	2.2900e-003	3.8000e-004	2.6700e-003		29.7171	29.7171	1.7200e-003	4.7200e-003	31.1676
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0242	0.0158	0.2315	7.0000e-004	0.0894	4.9000e-004	0.0899	0.0237	4.5000e-004	0.0242		73.3329	73.3329	1.6700e-003	1.7100e-003	73.8848
<b>Total</b>	<b>0.0251</b>	<b>0.0806</b>	<b>0.2489</b>	<b>9.7000e-004</b>	<b>0.0978</b>	<b>8.9000e-004</b>	<b>0.0987</b>	<b>0.0260</b>	<b>8.3000e-004</b>	<b>0.0268</b>		<b>103.0500</b>	<b>103.0500</b>	<b>3.3900e-003</b>	<b>6.4300e-003</b>	<b>105.0524</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0863	0.0000	0.0863	0.0221	0.0000	0.0221			0.0000			0.0000
Off-Road	0.6200	6.0928	5.2860	0.0163		0.2081	0.2081		0.1914	0.1914		1,581.3039	1,581.3039	0.5114		1,594.0895
<b>Total</b>	<b>0.6200</b>	<b>6.0928</b>	<b>5.2860</b>	<b>0.0163</b>	<b>0.0863</b>	<b>0.2081</b>	<b>0.2944</b>	<b>0.0221</b>	<b>0.1914</b>	<b>0.2135</b>		<b>1,581.3039</b>	<b>1,581.3039</b>	<b>0.5114</b>		<b>1,594.0895</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.4000e-004	0.0641	0.0176	2.6000e-004	8.3500e-003	4.0000e-004	8.7500e-003	2.2900e-003	3.8000e-004	2.6700e-003		29.1471	29.1471	1.7400e-003	4.6300e-003	30.5715
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0228	0.0144	0.2176	6.8000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		71.6883	71.6883	1.5200e-003	1.6100e-003	72.2070
<b>Total</b>	<b>0.0237</b>	<b>0.0785</b>	<b>0.2352</b>	<b>9.4000e-004</b>	<b>0.0978</b>	<b>8.7000e-004</b>	<b>0.0986</b>	<b>0.0260</b>	<b>8.1000e-004</b>	<b>0.0268</b>		<b>100.8354</b>	<b>100.8354</b>	<b>3.2600e-003</b>	<b>6.2400e-003</b>	<b>102.7785</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2026**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0388	0.0000	0.0388	9.9300e-003	0.0000	9.9300e-003			0.0000			0.0000
Off-Road	0.6200	6.0928	5.2860	0.0163		0.2081	0.2081		0.1914	0.1914	0.0000	1,581.3039	1,581.3039	0.5114		1,594.0895
<b>Total</b>	<b>0.6200</b>	<b>6.0928</b>	<b>5.2860</b>	<b>0.0163</b>	<b>0.0388</b>	<b>0.2081</b>	<b>0.2469</b>	<b>9.9300e-003</b>	<b>0.1914</b>	<b>0.2014</b>	<b>0.0000</b>	<b>1,581.3039</b>	<b>1,581.3039</b>	<b>0.5114</b>		<b>1,594.0895</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.4000e-004	0.0641	0.0176	2.6000e-004	8.3500e-003	4.0000e-004	8.7500e-003	2.2900e-003	3.8000e-004	2.6700e-003		29.1471	29.1471	1.7400e-003	4.6300e-003	30.5715
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0228	0.0144	0.2176	6.8000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		71.6883	71.6883	1.5200e-003	1.6100e-003	72.2070
<b>Total</b>	<b>0.0237</b>	<b>0.0785</b>	<b>0.2352</b>	<b>9.4000e-004</b>	<b>0.0978</b>	<b>8.7000e-004</b>	<b>0.0986</b>	<b>0.0260</b>	<b>8.1000e-004</b>	<b>0.0268</b>		<b>100.8354</b>	<b>100.8354</b>	<b>3.2600e-003</b>	<b>6.2400e-003</b>	<b>102.7785</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Pavement Removal - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6400e-003	0.0000	7.6400e-003	1.1600e-003	0.0000	1.1600e-003			0.0000			0.0000
Off-Road	0.8548	6.6597	7.3130	0.0201		0.3296	0.3296		0.3032	0.3032		1,949.4930	1,949.4930	0.6305		1,965.2557
<b>Total</b>	<b>0.8548</b>	<b>6.6597</b>	<b>7.3130</b>	<b>0.0201</b>	<b>7.6400e-003</b>	<b>0.3296</b>	<b>0.3372</b>	<b>1.1600e-003</b>	<b>0.3032</b>	<b>0.3044</b>		<b>1,949.4930</b>	<b>1,949.4930</b>	<b>0.6305</b>		<b>1,965.2557</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4000e-004	9.7000e-003	2.6000e-003	4.0000e-005	2.1900e-003	6.0000e-005	2.2500e-003	5.7000e-004	6.0000e-005	6.3000e-004		4.4496	4.4496	2.6000e-004	7.1000e-004	4.6668
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0483	0.0316	0.4631	1.4100e-003	0.3343	9.9000e-004	0.3353	0.0856	9.1000e-004	0.0865		146.6657	146.6657	3.3400e-003	3.4200e-003	147.7696
<b>Total</b>	<b>0.0485</b>	<b>0.0413</b>	<b>0.4657</b>	<b>1.4500e-003</b>	<b>0.3365</b>	<b>1.0500e-003</b>	<b>0.3376</b>	<b>0.0862</b>	<b>9.7000e-004</b>	<b>0.0871</b>		<b>151.1153</b>	<b>151.1153</b>	<b>3.6000e-003</b>	<b>4.1300e-003</b>	<b>152.4365</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Pavement Removal - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4400e-003	0.0000	3.4400e-003	5.2000e-004	0.0000	5.2000e-004			0.0000			0.0000
Off-Road	0.8548	6.6597	7.3130	0.0201		0.3296	0.3296		0.3032	0.3032	0.0000	1,949.4930	1,949.4930	0.6305		1,965.2557
<b>Total</b>	<b>0.8548</b>	<b>6.6597</b>	<b>7.3130</b>	<b>0.0201</b>	<b>3.4400e-003</b>	<b>0.3296</b>	<b>0.3330</b>	<b>5.2000e-004</b>	<b>0.3032</b>	<b>0.3038</b>	<b>0.0000</b>	<b>1,949.4930</b>	<b>1,949.4930</b>	<b>0.6305</b>		<b>1,965.2557</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4000e-004	9.7000e-003	2.6000e-003	4.0000e-005	2.1900e-003	6.0000e-005	2.2500e-003	5.7000e-004	6.0000e-005	6.3000e-004		4.4496	4.4496	2.6000e-004	7.1000e-004	4.6668
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0483	0.0316	0.4631	1.4100e-003	0.3343	9.9000e-004	0.3353	0.0856	9.1000e-004	0.0865		146.6657	146.6657	3.3400e-003	3.4200e-003	147.7696
<b>Total</b>	<b>0.0485</b>	<b>0.0413</b>	<b>0.4657</b>	<b>1.4500e-003</b>	<b>0.3365</b>	<b>1.0500e-003</b>	<b>0.3376</b>	<b>0.0862</b>	<b>9.7000e-004</b>	<b>0.0871</b>		<b>151.1153</b>	<b>151.1153</b>	<b>3.6000e-003</b>	<b>4.1300e-003</b>	<b>152.4365</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Pavement Removal - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6400e-003	0.0000	7.6400e-003	1.1600e-003	0.0000	1.1600e-003			0.0000			0.0000
Off-Road	0.8548	6.6597	7.3130	0.0201		0.3296	0.3296		0.3032	0.3032		1,949.4930	1,949.4930	0.6305		1,965.2557
<b>Total</b>	<b>0.8548</b>	<b>6.6597</b>	<b>7.3130</b>	<b>0.0201</b>	<b>7.6400e-003</b>	<b>0.3296</b>	<b>0.3372</b>	<b>1.1600e-003</b>	<b>0.3032</b>	<b>0.3044</b>		<b>1,949.4930</b>	<b>1,949.4930</b>	<b>0.6305</b>		<b>1,965.2557</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4000e-004	9.6000e-003	2.6300e-003	4.0000e-005	2.1900e-003	6.0000e-005	2.2500e-003	5.7000e-004	6.0000e-005	6.3000e-004		4.3643	4.3643	2.6000e-004	6.9000e-004	4.5776
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0456	0.0287	0.4353	1.3600e-003	0.3343	9.4000e-004	0.3353	0.0856	8.6000e-004	0.0865		143.3766	143.3766	3.0400e-003	3.2300e-003	144.4139
<b>Total</b>	<b>0.0457</b>	<b>0.0383</b>	<b>0.4379</b>	<b>1.4000e-003</b>	<b>0.3365</b>	<b>1.0000e-003</b>	<b>0.3375</b>	<b>0.0862</b>	<b>9.2000e-004</b>	<b>0.0871</b>		<b>147.7409</b>	<b>147.7409</b>	<b>3.3000e-003</b>	<b>3.9200e-003</b>	<b>148.9915</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Pavement Removal - 2026**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4400e-003	0.0000	3.4400e-003	5.2000e-004	0.0000	5.2000e-004			0.0000			0.0000
Off-Road	0.8548	6.6597	7.3130	0.0201		0.3296	0.3296		0.3032	0.3032	0.0000	1,949.4930	1,949.4930	0.6305		1,965.2557
<b>Total</b>	<b>0.8548</b>	<b>6.6597</b>	<b>7.3130</b>	<b>0.0201</b>	<b>3.4400e-003</b>	<b>0.3296</b>	<b>0.3330</b>	<b>5.2000e-004</b>	<b>0.3032</b>	<b>0.3038</b>	<b>0.0000</b>	<b>1,949.4930</b>	<b>1,949.4930</b>	<b>0.6305</b>		<b>1,965.2557</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4000e-004	9.6000e-003	2.6300e-003	4.0000e-005	2.1900e-003	6.0000e-005	2.2500e-003	5.7000e-004	6.0000e-005	6.3000e-004		4.3643	4.3643	2.6000e-004	6.9000e-004	4.5776
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0456	0.0287	0.4353	1.3600e-003	0.3343	9.4000e-004	0.3353	0.0856	8.6000e-004	0.0865		143.3766	143.3766	3.0400e-003	3.2300e-003	144.4139
<b>Total</b>	<b>0.0457</b>	<b>0.0383</b>	<b>0.4379</b>	<b>1.4000e-003</b>	<b>0.3365</b>	<b>1.0000e-003</b>	<b>0.3375</b>	<b>0.0862</b>	<b>9.2000e-004</b>	<b>0.0871</b>		<b>147.7409</b>	<b>147.7409</b>	<b>3.3000e-003</b>	<b>3.9200e-003</b>	<b>148.9915</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Pipeline Installation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1951	1.9889	3.3092	4.6300e-003		0.0809	0.0809		0.0744	0.0744		448.5826	448.5826	0.1451		452.2097
<b>Total</b>	<b>0.1951</b>	<b>1.9889</b>	<b>3.3092</b>	<b>4.6300e-003</b>		<b>0.0809</b>	<b>0.0809</b>		<b>0.0744</b>	<b>0.0744</b>		<b>448.5826</b>	<b>448.5826</b>	<b>0.1451</b>		<b>452.2097</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0151	9.8900e-003	0.1447	4.4000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.8000e-004	0.0151		45.8330	45.8330	1.0500e-003	1.0700e-003	46.1780
<b>Total</b>	<b>0.0151</b>	<b>9.8900e-003</b>	<b>0.1447</b>	<b>4.4000e-004</b>	<b>0.0559</b>	<b>3.1000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.8000e-004</b>	<b>0.0151</b>		<b>45.8330</b>	<b>45.8330</b>	<b>1.0500e-003</b>	<b>1.0700e-003</b>	<b>46.1780</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Pipeline Installation - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1951	1.9889	3.3092	4.6300e-003		0.0809	0.0809		0.0744	0.0744	0.0000	448.5826	448.5826	0.1451		452.2097
<b>Total</b>	<b>0.1951</b>	<b>1.9889</b>	<b>3.3092</b>	<b>4.6300e-003</b>		<b>0.0809</b>	<b>0.0809</b>		<b>0.0744</b>	<b>0.0744</b>	<b>0.0000</b>	<b>448.5826</b>	<b>448.5826</b>	<b>0.1451</b>		<b>452.2097</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0151	9.8900e-003	0.1447	4.4000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.8000e-004	0.0151		45.8330	45.8330	1.0500e-003	1.0700e-003	46.1780
<b>Total</b>	<b>0.0151</b>	<b>9.8900e-003</b>	<b>0.1447</b>	<b>4.4000e-004</b>	<b>0.0559</b>	<b>3.1000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.8000e-004</b>	<b>0.0151</b>		<b>45.8330</b>	<b>45.8330</b>	<b>1.0500e-003</b>	<b>1.0700e-003</b>	<b>46.1780</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Pipeline Installation - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1951	1.9889	3.3092	4.6300e-003		0.0809	0.0809		0.0744	0.0744		448.5826	448.5826	0.1451		452.2097
<b>Total</b>	<b>0.1951</b>	<b>1.9889</b>	<b>3.3092</b>	<b>4.6300e-003</b>		<b>0.0809</b>	<b>0.0809</b>		<b>0.0744</b>	<b>0.0744</b>		<b>448.5826</b>	<b>448.5826</b>	<b>0.1451</b>		<b>452.2097</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0143	8.9800e-003	0.1360	4.3000e-004	0.0559	2.9000e-004	0.0562	0.0148	2.7000e-004	0.0151		44.8052	44.8052	9.5000e-004	1.0100e-003	45.1294
<b>Total</b>	<b>0.0143</b>	<b>8.9800e-003</b>	<b>0.1360</b>	<b>4.3000e-004</b>	<b>0.0559</b>	<b>2.9000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.7000e-004</b>	<b>0.0151</b>		<b>44.8052</b>	<b>44.8052</b>	<b>9.5000e-004</b>	<b>1.0100e-003</b>	<b>45.1294</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Pipeline Installation - 2026**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1951	1.9889	3.3092	4.6300e-003		0.0809	0.0809		0.0744	0.0744	0.0000	448.5826	448.5826	0.1451		452.2097
<b>Total</b>	<b>0.1951</b>	<b>1.9889</b>	<b>3.3092</b>	<b>4.6300e-003</b>		<b>0.0809</b>	<b>0.0809</b>		<b>0.0744</b>	<b>0.0744</b>	<b>0.0000</b>	<b>448.5826</b>	<b>448.5826</b>	<b>0.1451</b>		<b>452.2097</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0143	8.9800e-003	0.1360	4.3000e-004	0.0559	2.9000e-004	0.0562	0.0148	2.7000e-004	0.0151		44.8052	44.8052	9.5000e-004	1.0100e-003	45.1294
<b>Total</b>	<b>0.0143</b>	<b>8.9800e-003</b>	<b>0.1360</b>	<b>4.3000e-004</b>	<b>0.0559</b>	<b>2.9000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.7000e-004</b>	<b>0.0151</b>		<b>44.8052</b>	<b>44.8052</b>	<b>9.5000e-004</b>	<b>1.0100e-003</b>	<b>45.1294</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3108	3.0261	4.7425	7.3300e-003		0.1467	0.1467		0.1350	0.1350		709.0552	709.0552	0.2293		714.7883
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.3108</b>	<b>3.0261</b>	<b>4.7425</b>	<b>7.3300e-003</b>		<b>0.1467</b>	<b>0.1467</b>		<b>0.1350</b>	<b>0.1350</b>		<b>709.0552</b>	<b>709.0552</b>	<b>0.2293</b>		<b>714.7883</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0242	0.0158	0.2315	7.0000e-004	0.0894	4.9000e-004	0.0899	0.0237	4.5000e-004	0.0242		73.3329	73.3329	1.6700e-003	1.7100e-003	73.8848
<b>Total</b>	<b>0.0242</b>	<b>0.0158</b>	<b>0.2315</b>	<b>7.0000e-004</b>	<b>0.0894</b>	<b>4.9000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.5000e-004</b>	<b>0.0242</b>		<b>73.3329</b>	<b>73.3329</b>	<b>1.6700e-003</b>	<b>1.7100e-003</b>	<b>73.8848</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3108	3.0261	4.7425	7.3300e-003		0.1467	0.1467		0.1350	0.1350	0.0000	709.0552	709.0552	0.2293		714.7883
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.3108</b>	<b>3.0261</b>	<b>4.7425</b>	<b>7.3300e-003</b>		<b>0.1467</b>	<b>0.1467</b>		<b>0.1350</b>	<b>0.1350</b>	<b>0.0000</b>	<b>709.0552</b>	<b>709.0552</b>	<b>0.2293</b>		<b>714.7883</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0242	0.0158	0.2315	7.0000e-004	0.0894	4.9000e-004	0.0899	0.0237	4.5000e-004	0.0242		73.3329	73.3329	1.6700e-003	1.7100e-003	73.8848
<b>Total</b>	<b>0.0242</b>	<b>0.0158</b>	<b>0.2315</b>	<b>7.0000e-004</b>	<b>0.0894</b>	<b>4.9000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.5000e-004</b>	<b>0.0242</b>		<b>73.3329</b>	<b>73.3329</b>	<b>1.6700e-003</b>	<b>1.7100e-003</b>	<b>73.8848</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3108	3.0261	4.7425	7.3300e-003		0.1467	0.1467		0.1350	0.1350		709.0552	709.0552	0.2293		714.7883
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.3108</b>	<b>3.0261</b>	<b>4.7425</b>	<b>7.3300e-003</b>		<b>0.1467</b>	<b>0.1467</b>		<b>0.1350</b>	<b>0.1350</b>		<b>709.0552</b>	<b>709.0552</b>	<b>0.2293</b>		<b>714.7883</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0228	0.0144	0.2176	6.8000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		71.6883	71.6883	1.5200e-003	1.6100e-003	72.2070
<b>Total</b>	<b>0.0228</b>	<b>0.0144</b>	<b>0.2176</b>	<b>6.8000e-004</b>	<b>0.0894</b>	<b>4.7000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.3000e-004</b>	<b>0.0242</b>		<b>71.6883</b>	<b>71.6883</b>	<b>1.5200e-003</b>	<b>1.6100e-003</b>	<b>72.2070</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2026**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3108	3.0261	4.7425	7.3300e-003		0.1467	0.1467		0.1350	0.1350	0.0000	709.0552	709.0552	0.2293		714.7883
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.3108</b>	<b>3.0261</b>	<b>4.7425</b>	<b>7.3300e-003</b>		<b>0.1467</b>	<b>0.1467</b>		<b>0.1350</b>	<b>0.1350</b>	<b>0.0000</b>	<b>709.0552</b>	<b>709.0552</b>	<b>0.2293</b>		<b>714.7883</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0228	0.0144	0.2176	6.8000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		71.6883	71.6883	1.5200e-003	1.6100e-003	72.2070
<b>Total</b>	<b>0.0228</b>	<b>0.0144</b>	<b>0.2176</b>	<b>6.8000e-004</b>	<b>0.0894</b>	<b>4.7000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.3000e-004</b>	<b>0.0242</b>		<b>71.6883</b>	<b>71.6883</b>	<b>1.5200e-003</b>	<b>1.6100e-003</b>	<b>72.2070</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.537891	0.065289	0.189998	0.126515	0.023567	0.006518	0.011114	0.008084	0.000933	0.000591	0.025474	0.000708	0.003318

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

No Hearths Installed

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1525	0.0365	4.0225	3.0000e-004		0.0143	0.0143		0.0143	0.0143		8.6447	8.6447	0.0225		9.2068
Unmitigated	1.1525	0.0365	4.0225	3.0000e-004		0.0143	0.0143		0.0143	0.0143		8.6447	8.6447	0.0225		9.2068

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3704	0.0365	4.0225	3.0000e-004		0.0143	0.0143		0.0143	0.0143		8.6447	8.6447	0.0225		9.2068
<b>Total</b>	<b>1.1525</b>	<b>0.0365</b>	<b>4.0225</b>	<b>3.0000e-004</b>		<b>0.0143</b>	<b>0.0143</b>		<b>0.0143</b>	<b>0.0143</b>		<b>8.6447</b>	<b>8.6447</b>	<b>0.0225</b>		<b>9.2068</b>

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3704	0.0365	4.0225	3.0000e-004		0.0143	0.0143		0.0143	0.0143		8.6447	8.6447	0.0225		9.2068
<b>Total</b>	<b>1.1525</b>	<b>0.0365</b>	<b>4.0225</b>	<b>3.0000e-004</b>		<b>0.0143</b>	<b>0.0143</b>		<b>0.0143</b>	<b>0.0143</b>		<b>8.6447</b>	<b>8.6447</b>	<b>0.0225</b>		<b>9.2068</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Haynes Generating Station - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**APPENDIX B**  
**Information, Planning, and Consultation (IPaC) System Search Results**  
**U.S. Fish and Wildlife Service**  
**December 4, 2023**



## United States Department of the Interior

FISH AND WILDLIFE SERVICE  
 Carlsbad Fish And Wildlife Office  
 2177 Salk Avenue - Suite 250  
 Carlsbad, CA 92008-7385  
 Phone: (760) 431-9440 Fax: (760) 431-5901



In Reply Refer To: December 04, 2023  
 Project Code: 2023-0021262  
 Project Name: LB Water Department's LA Water and Power Haynes Generating Station Recycled Water Pipeline Project

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through IPaC by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)

(c). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at: <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

**Migratory Birds:** In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see [Migratory Bird Permit | What We Do | U.S. Fish & Wildlife Service \(fws.gov\)](https://www.fws.gov/sites/default/files/documents/migratory-bird-permit-what-we-do-u.s.-fish-wildlife-service-fws.gov).

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

## OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

### Carlsbad Fish And Wildlife Office

2177 Salk Avenue - Suite 250  
Carlsbad, CA 92008-7385  
(760) 431-9440

## PROJECT SUMMARY

Project Code: 2023-0021262  
 Project Name: LB Water Department's LA Water and Power Haynes Generating Station Recycled Water Pipeline Project  
 Project Type: Water Supply Pipeline - New Constr - Below Ground  
 Project Description: Long Beach Water Department (LBWD) is planning to install a recycled water main to serve Los Angeles Department of Water and Power's Haynes Generating Station located in the Cities of Long Beach and Seal Beach, California. The project proposes to install a 24-inch pipeline connection to the existing LBWD 21-inch recycled water pipeline at Atherton Street and Studebaker Road in Long Beach, CA. The total length of the recycled water alignment is approximately 7,675 feet. Construction would occur within previously disturbed areas currently covered by pavement (asphalt) or landscaping. Installation would be conducted via the cut and cover method, with jack and bore occurring beneath the State Route 22 freeway. The pipeline would be hung from the bridge over the San Gabriel River and would not require work within jurisdictional Waters of the US. Construction would end within the Haynes Generating Station located in Seal Beach, CA. Construction is anticipated to occur within Q1 and Q2 of 2023. The project is not located within the Coastal Zone.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@33.781051500000004,-118.10265920897018,14z>



Counties: Los Angeles and Orange counties, California

## ENDANGERED SPECIES ACT SPECIES

There is a total of 9 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### MAMMALS

NAME	STATUS
Pacific Pocket Mouse <i>Perognathus longimembris pacificus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/8080">https://ecos.fws.gov/ecp/species/8080</a>	Endangered

### BIRDS

NAME	STATUS
California Least Tern <i>Sterna antillarum browni</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/8104">https://ecos.fws.gov/ecp/species/8104</a>	Endangered
Coastal California Gnatcatcher <i>Polioptila californica californica</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/8178">https://ecos.fws.gov/ecp/species/8178</a>	Threatened
Southwestern Willow Flycatcher <i>Empidonax traillii extimus</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6749">https://ecos.fws.gov/ecp/species/6749</a>	Endangered
Western Snowy Plover <i>Charadrius nivosus nivosus</i> Population: Pacific Coast population DPS-U.S.A. (CA, OR, WA), Mexico (within 50 miles of Pacific coast) There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/8035">https://ecos.fws.gov/ecp/species/8035</a>	Threatened

### REPTILES

NAME	STATUS
Southwestern Pond Turtle <i>Actinemys pallida</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4768">https://ecos.fws.gov/ecp/species/4768</a>	Proposed Threatened

### INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

### FLOWERING PLANTS

NAME	STATUS
Salt Marsh Bird's-beak <i>Cordylanthus maritimus ssp. maritimus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6447">https://ecos.fws.gov/ecp/species/6447</a>	Endangered
Ventura Marsh Milk-vetch <i>Astragalus pycnostachyus var. lanosissimus</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1160">https://ecos.fws.gov/ecp/species/1160</a>	Endangered

### CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

## **IPAC USER CONTACT INFORMATION**

Agency: AZTEC Engineering Group, Inc.

Name: Nicholas Vandehei

Address: 501 N. 44th Street, Suite 300

City: Phoenix

State: AZ

Zip: 85008

Email: [nvandehei@aztec.us](mailto:nvandehei@aztec.us)

Phone: 4804404108

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**APPENDIX C**

**California Natural Diversity Database Search Results**

**California Department of Fish and Wildlife**

**December 6, 2023**

CALIFORNIA DEPARTMENT OF  
**FISH and WILDLIFE** RareFind

Query Summary:

Quad IS (Los Alamitos (3311871))

CNDDB Element Query Results

Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats
Spea hammondii	western spadefoot	Amphibians	AAABF02020	1444	2	None	None	G2G3	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened	Cismontane woodland, Coastal scrub, Valley & foothill grassland, Vernal pool, Wetland
Agelaius tricolor	tricolored blackbird	Birds	ABPBXB0020	957	1	None	Threatened	G1G2	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Marsh & swamp, Wetland
Athene cunicularia	burrowing owl	Birds	ABNSB10010	2011	2	None	None	G4	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Coastal prairie, Coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley & foothill grassland
Buteo regalis	ferruginous hawk	Birds	ABNKC19120	107	1	None	None	G4	S3S4	null	CDFW_WL-Watch List, IUCN_LC-Least Concern	Great Basin grassland, Great Basin scrub, Pinon & juniper woodlands, Valley & foothill grassland
Buteo swainsoni	Swainson's hawk	Birds	ABNKC19070	2561	1	None	Threatened	G5	S4	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Great Basin grassland, Riparian forest, Riparian woodland, Valley & foothill grassland
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Birds	ABNRB02022	165	1	Threatened	Endangered	G5T2T3	S1	null	BLM_S-Sensitive, USFS_S-Sensitive	Riparian forest
Passerculus sandwichensis beldingi	Belding's savannah sparrow	Birds	ABPBX99015	39	1	None	Endangered	G5T3	S3	null	USFWS_BCC-Birds of Conservation Concern	Marsh & swamp, Wetland
Sternula antillarum browni	California least tern	Birds	ABNNM08103	75	3	Endangered	Endangered	G4T2T3Q	S2	null	CDFW_FP-Fully Protected	Alkali playa, Wetland
Vireo bellii pusillus	least Bell's vireo	Birds	ABPBW01114	505	1	Endangered	Endangered	G5T2	S3	null	null	Riparian forest, Riparian scrub, Riparian woodland
Astragalus hornii var. hornii	Horn's milk-vetch	Dicots	PDFAB0F421	28	1	None	None	GUT1	S1	1B.1	BLM_S-Sensitive	Alkali playa, Meadow & seep, Wetland
Atriplex parishii	Parish's brittle-scale	Dicots	PDCHE041D0	15	1	None	None	G1G2	S1	1B.1	SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive	Alkali playa, Chenopod scrub, Meadow & seep, Vernal pool, Wetland
Calystegia felix	lucky morning-glory	Dicots	PDCON040P0	10	1	None	None	G1Q	S1	1B.1	null	Meadow & seep, Riparian scrub
Centromadia parryi ssp. australis	southern tarplant	Dicots	PDAST4R0P4	94	8	None	None	G3T2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank,	Marsh & swamp, Salt marsh, Valley & foothill grassland, Vernal pool, Wetland

												SB_SBBG-Santa Barbara Botanic Garden	
Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	Dicots	PDSCR0J0C2	26	2	Endangered	Endangered	G4?T1	S1	1B.2	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_SBBG-Santa Barbara Botanic Garden	Coastal dunes, Marsh & swamp, Salt marsh, Wetland	
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	Dicots	PDAST5L0A1	111	5	None	None	G4T2	S2	1B.1	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden	Alkali playa, Marsh & swamp, Salt marsh, Vernal pool, Wetland	
Nama stenocarpa	mud nama	Dicots	PDHYD0A0H0	22	1	None	None	G4G5	S1S2	2B.2	null	Marsh & swamp, Wetland	
Nemacaulis denudata var. denudata	coast woolly-heads	Dicots	PDPGN0G011	42	1	None	None	G3G4T2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Coastal dunes	
Phacelia stellaris	Brand's star phacelia	Dicots	PDHYD0C510	15	1	None	None	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Coastal dunes, Coastal scrub	
Sidalcea neomexicana	salt spring checkerbloom	Dicots	PDMAL110J0	30	2	None	None	G4	S2	2B.2	USFS_S-Sensitive	Alkali playa, Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Wetland	
Suaeda esteroa	estuary seablite	Dicots	PDCHE0P0D0	39	1	None	None	G3	S2	1B.2	null	Marsh & swamp, Salt marsh, Wetland	
Symphotrichum defoliatum	San Bernardino aster	Dicots	PDASTE80C0	102	3	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Marsh & swamp, Meadow & seep, Valley & foothill grassland	
Bombus crotchii	Crotch bumble bee	Insects	IIHYM24480	437	1	None	Candidate Endangered	G2	S2	null	IUCN_EN-Endangered	null	
Bombus pensylvanicus	American bumble bee	Insects	IIHYM24260	285	3	None	None	G3G4	S2	null	IUCN_VU-Vulnerable	Coastal prairie, Great Basin grassland, Valley & foothill grassland	
Cicindela hirticollis gravida	sandy beach tiger beetle	Insects	IICOL02101	34	2	None	None	G5T2	S2	null	null	Coastal dunes	
Cicindela latesignata	western beach tiger beetle	Insects	IICOL02110	27	3	None	None	G2G3	S1	null	null	Estuary, Mud shore/flats, Salt marsh, Sand shore	
Cicindela senilis frosti	senile tiger beetle	Insects	IICOL02121	9	1	None	None	G2G3T1T3	S1	null	null	Mud shore/flats, Wetland	
Danaus plexippus plexippus pop. 1	monarch - California overwintering population	Insects	IILEPP2012	396	2	Candidate	None	G4T1T2Q	S2	null	IUCN_EN-Endangered, USFS_S-Sensitive	Closed-cone coniferous forest	
Habroscelimorpha gabbii	western tidal-flat tiger beetle	Insects	IICOL02080	9	2	None	None	G2G4	S1	null	null	Estuary, Mud shore/flats	
Eumops perotis californicus	western mastiff bat	Mammals	AMACD02011	296	1	None	None	G4G5T4	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern	Chaparral, Cismontane woodland, Coastal scrub, Valley & foothill grassland	
Lasionycteris noctivagans	silver-haired bat	Mammals	AMACC02010	139	1	None	None	G3G4	S3S4	null	IUCN_LC-Least Concern	Lower montane coniferous	

												forest, Oldgrowth, Riparian forest
Lasiurus xanthinus	western yellow bat	Mammals	AMACC05070	58	1	None	None	G4G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Desert wash
Microtus californicus stephensi	south coast marsh vole	Mammals	AMAFF11035	7	1	None	None	G5T2T3	S2	null	CDFW_SSC-Species of Special Concern	null
Sorex ornatus salicornicus	southern California saltmarsh shrew	Mammals	AMABA01104	4	1	None	None	G5T1?	S1	null	CDFW_SSC-Species of Special Concern	Salt marsh
Southern Coastal Salt Marsh	Southern Coastal Salt Marsh	Marsh	CTT52120CA	24	1	None	None	G2	S2.1	null	null	Marsh & swamp, Wetland
Orcuttia californica	California Orcutt grass	Monocots	PMPOA4G010	39	1	Endangered	Endangered	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Vernal pool, Wetland
Sagittaria sanfordii	Sanford's arrowhead	Monocots	PMALI040Q0	143	1	None	None	G3	S3	1B.2	BLM_S-Sensitive	Marsh & swamp, Wetland
Anniella stebbinsi	Southern California legless lizard	Reptiles	ARACC01060	427	1	None	None	G3	S3	null	CDFW_SSC-Species of Special Concern, USFS_S-Sensitive	Broadleaved upland forest, Chaparral, Coastal dunes, Coastal scrub
Chelonia mydas	green turtle	Reptiles	ARAAA02010	2	1	Threatened	None	G3	S1	null	IUCN_EN-Endangered	Marine bay
Emys marmorata	western pond turtle	Reptiles	ARAAD02030	1522	3	Proposed Threatened	None	G3G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive	Aquatic, Artificial flowing waters, Klamath/North coast flowing waters, Klamath/North coast standing waters, Marsh & swamp, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters, South coast flowing waters, South coast standing waters, Wetland
Phrynosoma blainvillii	coast horned lizard	Reptiles	ARACF12100	784	4	None	None	G4	S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Chaparral, Cismontane woodland, Coastal bluff scrub, Coastal scrub, Desert wash, Pinon & juniper woodlands, Riparian scrub, Riparian woodland, Valley & foothill grassland

**APPENDIX D**

**Cultural Resources**

**LADWP Haynes Generating Station Recycled Water Pipeline Project**

**May 12, 2023**

**CONFIDENTIAL – NOT FOR PUBLIC DISTRIBUTION**

This appendix contains sensitive information about the location of cultural resources.  
This information should not be distributed to the general public in order to protect these properties.

**APPENDIX E**

**ERIS Database Report**

**LADWP Haynes Generating Station Recycled Water Pipeline Project**

**December 8, 2022**



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# DATABASE REPORT

**Project Property:** *Haynes Sewer Line  
n/a  
Seal Beach CA*

**Project No:** *0CAENS2205*

**Report Type:** *Quote - Custom Radius - Linear Reports*

**Order No:** *22120501310*

**Requested by:** *AZTEC Engineering Group, Inc.*

**Date Completed:** *December 8, 2022*

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# Executive Summary

## Property Information:

**Project Property:** *Haynes Sewer Line  
n/a Seal Beach CA*

**Project No:** *OCAENS2205*

### **Coordinates:**

**Latitude:** *33.78117881*  
**Longitude:** *-118.09942673*  
**UTM Northing:** *3,738,437.01*  
**UTM Easting:** *398,208.32*  
**UTM Zone:** *11S*

**Elevation:** *14 FT*

## Order Information:

**Order No:** *22120501310*  
**Date Requested:** *December 5, 2022*  
**Requested by:** *AZTEC Engineering Group, Inc.*  
**Report Type:** *Quote - Custom Radius - Linear Reports*

## Historicals/Products:

**ERIS Xplorer** [ERIS Xplorer](#)  
**Excel Add-On** *Excel Add-On*

# Executive Summary: Report Summary

<i>Database</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.250mi</i>	<i>Total</i>
<b><u>Standard Environmental Records</u></b>				
<b>Federal</b>				
DOE FUSRAP	Y	0	0	0
NPL	Y	0	0	0
PROPOSED NPL	Y	0	0	0
DELETED NPL	Y	0	0	0
SEMS	Y	0	0	0
SEMS ARCHIVE	Y	0	0	0
ODI	Y	0	0	0
CERCLIS	Y	0	0	0
IODI	Y	0	0	0
CERCLIS NFRAP	Y	0	0	0
CERCLIS LIENS	Y	0	0	0
RCRA CORRACTS	Y	0	0	0
RCRA TSD	Y	0	0	0
RCRA LQG	Y	0	2	2
RCRA SQG	Y	0	1	1
RCRA VSQG	Y	0	0	0
RCRA NON GEN	Y	0	52	52
RCRA CONTROLS	Y	0	0	0
FED ENG	Y	0	0	0
FED INST	Y	0	0	0
LUCIS	Y	0	0	0
NPL IC	Y	0	0	0
ERNS 1982 TO 1986	Y	0	0	0
ERNS 1987 TO 1989	Y	0	0	0
ERNS	Y	0	2	2
FED BROWNFIELDS	Y	0	0	0
FEMA UST	Y	0	0	0

<i>Database</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.250mi</i>	<i>Total</i>
FRP	Y	0	0	0
DELISTED FRP	Y	0	0	0
HIST GAS STATIONS	Y	0	0	0
REFN	Y	0	0	0
BULK TERMINAL	Y	0	0	0
SEMS LIEN	Y	0	0	0
SUPERFUND ROD	Y	0	0	0
<b>State</b>				
RESPONSE	Y	0	0	0
ENVIROSTOR	Y	0	4	4
DELISTED ENVS	Y	0	0	0
SWF/LF	Y	0	0	0
SWRCB SWF	Y	0	0	0
WMUD	Y	0	0	0
HWP	Y	0	0	0
SWAT	Y	0	0	0
C&D DEBRIS RECY	Y	0	0	0
RECYCLING	Y	0	0	0
PROCESSORS	Y	0	0	0
CONTAINER RECY	Y	0	0	0
LDS	Y	0	0	0
LUST	Y	0	2	2
DELISTED LST	Y	0	0	0
UST	Y	0	0	0
UST CLOSURE	Y	0	0	0
HHSS	Y	0	3	3
UST SWEEPS	Y	0	3	3
AST	Y	0	0	0
AST SWRCB	Y	0	0	0
TANK OIL GAS	Y	0	0	0
DELISTED TNK	Y	0	1	1
CERS TANK	Y	0	0	0
DELISTED CTNK	Y	0	0	0
HIST TANK	Y	0	3	3
LUR	Y	0	0	0
CALSITES	Y	0	0	0
HLUR	Y	0	0	0
DEED	Y	0	0	0

<i>Database</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.250mi</i>	<i>Total</i>
VCP	Y	0	1	1
CLEANUP SITES	Y	0	0	0
DELISTED CLEANUP	Y	0	0	0
DELISTED COUNTY	Y	0	0	0
<b>Tribal</b>				
INDIAN LUST	Y	0	0	0
INDIAN UST	Y	0	0	0
DELISTED ILST	Y	0	0	0
DELISTED IUST	Y	0	0	0
<b>County</b>				
SML LA	Y	0	0	0
SWF LA COUNTY	Y	0	0	0
CUPA LA COUNTY	Y	0	0	0
HMS LA	Y	0	2	2
UST SANTAFESP	Y	0	0	0
UST LONGB	Y	0	2	2
CUPA BURBANK	Y	0	0	0
UST ELSEGUNDO	Y	0	0	0
UST SANTA MONICA	Y	0	0	0
AST SANTAMON	Y	0	0	0
CUPA SANTAMON	Y	0	0	0
UST TORRANCE	Y	0	0	0
UST VERNON	Y	0	0	0
CUPA VERNON	Y	0	0	0
UST LA CITY	Y	0	0	0
AST LA CITY	Y	0	0	0
HAZMAT LA CITY	Y	0	0	0
ICP ORANGE	Y	0	0	0
LOP ORANGE	Y	0	0	0
NPUT ORANGE	Y	0	0	0
UST ORANGE	Y	0	0	0
AST ORANGE	Y	0	0	0
UST CLP ANAHEIM	Y	0	0	0
UST ANAHEIM	Y	0	0	0
AST ANAHEIM	Y	0	0	0

**Additional Environmental Records**

**Federal**

FINDS/FRS	Y	0	41	41
TRIS	Y	0	0	0

<b>Database</b>	<b>Searched</b>	<b>Project Property</b>	<b>Within 0.250mi</b>	<b>Total</b>
PFAS TRI	Y	0	0	0
PFAS NPL	Y	0	0	0
PFAS WATER	Y	0	0	0
PFAS SSEHRI	Y	0	0	0
ERNS PFAS	Y	0	0	0
HMIRS	Y	0	0	0
NCDL	Y	0	0	0
TSCA	Y	0	0	0
HIST TSCA	Y	0	0	0
FTTS ADMIN	Y	0	0	0
FTTS INSP	Y	0	0	0
PRP	Y	0	0	0
SCRD DRYCLEANER	Y	0	0	0
ICIS	Y	0	1	1
FED DRYCLEANERS	Y	0	0	0
DELISTED FED DRY	Y	0	0	0
FUDS	Y	0	0	0
FORMER NIKE	Y	0	0	0
PIPELINE INCIDENT	Y	0	0	0
MLTS	Y	0	0	0
HIST MLTS	Y	0	0	0
MINES	Y	0	0	0
SMCRA	Y	0	0	0
MRDS	Y	0	0	0
URANIUM	Y	0	0	0
ALT FUELS	Y	0	0	0
CONSENT DECREES	Y	0	0	0
AFS	Y	0	0	0
SSTS	Y	0	0	0
PCBT	Y	0	0	0
PCB	Y	0	0	0
<b>State</b>				
DRYCLEANERS	Y	0	0	0
DELISTED DRYCLEANERS	Y	0	0	0
DRYC GRANT	Y	0	0	0
PFAS	Y	0	0	0
PFAS GW	Y	0	0	0
HWSS CLEANUP	Y	0	0	0
TOXIC PITS	Y	0	0	0
DTSC HWF	Y	0	0	0



## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">1</a>	HAZ GEN	COLUMBIA MEDICAL BUILDING PHARMACY	6880 E 10TH ST LONG BEACH CA 908154930	S	0.19 / 977.48	-2	<a href="#">52</a>
<a href="#">2</a>	HAZ GEN	JACQUELINE BEAUCHAMP	6840 E 10TH ST LONG BEACH CA 90815	SW	0.14 / 750.75	-2	<a href="#">52</a>
<a href="#">2</a>	HAZ GEN	BEAUCHAMP, DONALD	6840 E. 10TH STREET LONG BEACH CA 90815	SW	0.14 / 750.75	-2	<a href="#">52</a>
<a href="#">3</a>	HAZ GEN	GLYNN, PETER & EMILY	6810 E 11TH ST LONG BEACH CA 908154934	W	0.11 / 564.87	-2	<a href="#">52</a>
<a href="#">4</a>	HAZNET	LOUIS MOSKOWITC	6811 E 10TH ST LONG BEACH CA 90815	WSW	0.11 / 580.19	-2	<a href="#">52</a>
<a href="#">5</a>	RCRA NON GEN	WILLIAM WITT	6841 E MANTOVA ST LONG BEACH CA 90815- 4916 <i>EPA Handler ID: CAC003061611</i>	NNE	0.20 / 1,067.32	-3	<a href="#">53</a>
<a href="#">5</a>	FINDS/FRS	WILLIAM WITT	6841 E MANTOVA ST LONG BEACH CA 90815- 4916 <i>Registry ID: 110070806577</i>	NNE	0.20 / 1,067.32	-3	<a href="#">54</a>
<a href="#">6</a>	HAZNET	NATE LEMON	900 STEVELY AVE LONG BEACH CA 908154941	SSE	0.24 / 1,248.14	-2	<a href="#">55</a>
<a href="#">6</a>	HAZ GEN	NATE LEMON	900 STEVELY AVE LONG BEACH CA 908154941	SSE	0.24 / 1,248.14	-2	<a href="#">55</a>
<a href="#">7</a>	HAZNET	NOELLE MAGUIRE	6736 E EL JARDIN ST LONG BEACH CA 908154911	WNW	0.07 / 381.58	-4	<a href="#">56</a>
<a href="#">8</a>	RCRA NON GEN	BICH DANG	6902 E DE LEON ST LONG BEACH CA 90815 <i>EPA Handler ID: CAC003023013</i>	NNE	0.20 / 1,074.09	-1	<a href="#">56</a>
<a href="#">8</a>	FINDS/FRS	BICH DANG	6902 E DE LEON ST LONG BEACH CA 90815 <i>Registry ID: 110070586477</i>	NNE	0.20 / 1,074.09	-1	<a href="#">57</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">9</a>	RCRA NON GEN	ROBERT ANDERSON	872 N KAREN WAY LONG BEACH CA 90815 <i>EPA Handler ID: CAC003022678</i>	S	0.20 / 1,048.98	-1	<a href="#">58</a>
<a href="#">9</a>	FINDS/FRS	ROBERT ANDERSON	872 N KAREN WAY LONG BEACH CA 90815 <i>Registry ID: 110070586181</i>	S	0.20 / 1,048.98	-1	<a href="#">59</a>
<a href="#">10</a>	RCRA NON GEN	ROSA TRUJILLO	6835 E DE LEON ST LONG BEACH CA 90815- 4908 <i>EPA Handler ID: CAC003061754</i>	NNE	0.18 / 925.38	-3	<a href="#">60</a>
<a href="#">10</a>	FINDS/FRS	ROSA TRUJILLO	6835 E DE LEON ST LONG BEACH CA 90815- 4908 <i>Registry ID: 110070806129</i>	NNE	0.18 / 925.38	-3	<a href="#">62</a>
<a href="#">11</a>	RCRA NON GEN	ELNA ANDERSON	860 STEVELY AVE LONG BEACH CA 90815 <i>EPA Handler ID: CAC003026455</i>	SSE	0.24 / 1,259.53	-1	<a href="#">62</a>
<a href="#">11</a>	FINDS/FRS	ELNA ANDERSON	860 STEVELY AVE LONG BEACH CA 90815 <i>Registry ID: 110070651818</i>	SSE	0.24 / 1,259.53	-1	<a href="#">64</a>
<a href="#">12</a>	HHSS	SERVICE STATION 4849	1190 STUDEBAKER RD LONG BEACH CA 90815	W	0.01 / 32.09	0	<a href="#">64</a>
<a href="#">12</a>	HIST TANK	SERVICE STATION 4849	1190 STUDEBAKER RD LONG BEACH CA	W	0.01 / 32.09	0	<a href="#">65</a>
<a href="#">12</a>	UST SWEEPS	SERVICE STATION 4849	1190 STUDEBAKER RD LONG BEACH CA <i>C C / Status: A19-060-17444   ACTIVE Tank ID: 000003, 000001, 000002</i>	W	0.01 / 32.09	0	<a href="#">65</a>
<a href="#">13</a>	HAZ GEN	MARIE BENSON	881 KALLIN AVE. LONG BEACH CA 90815	SW	0.08 / 421.70	-3	<a href="#">66</a>
<a href="#">14</a>	FINDS/FRS	7-ELEVEN INC. STORE #27017	1190 N STUDEBAKER RD LONG BEACH CA 90815 <i>Registry ID: 110064933425</i>	W	0.00 / 24.43	-1	<a href="#">66</a>
<a href="#">14</a>	CERS HAZ	7-ELEVEN INC. STORE #27017	1190 N STUDEBAKER RD LONG BEACH CA 90815	W	0.00 / 24.43	-1	<a href="#">67</a>
<a href="#">15</a>	RCRA NON GEN	SUSAN MURRAY	6718 EAST MANTOVA ST. LONG BEACH CA 90815 <i>EPA Handler ID: CAC002978775</i>	NW	0.07 / 347.29	-3	<a href="#">70</a>
<a href="#">15</a>	FINDS/FRS	SUSAN MURRAY	6718 EAST MANTOVA ST. LONG BEACH CA 90815	NW	0.07 / 347.29	-3	<a href="#">72</a>

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			<b>Registry ID:</b> 110070437103				
<a href="#">16</a>	HAZ GEN	JENNIFER JONES	876 KALLIN LONG BEACH CA 90815	SW	0.09 / 452.12	-2	<a href="#">72</a>
<a href="#">17</a>	HAZNET	SHAWN SCHWARZ	6920 E Bacarro St Long Beach CA 908154805	NNE	0.18 / 971.62	-2	<a href="#">73</a>
<a href="#">18</a>	HAZ GEN	KEVIN HUGHES	864 ROXANNE AVE LONG BEACH CA 908155013	SSW	0.14 / 723.79	-2	<a href="#">73</a>
<a href="#">19</a>	RCRA NON GEN	CHARLES D CLAY AND PATRICIA C CLAY	6719 E MANTOVA ST LONG BEACH CA 90815	NW	0.06 / 317.00	-2	<a href="#">73</a>
			<b>EPA Handler ID:</b> CAC003178326				
<a href="#">20</a>	CHMIRS	Long Beach Fire	Studebaker Road and Anaheim Road Long Beach CA <b>Control No   Notified Date:</b> 09-8465	W	0.00 / 18.01	-2	<a href="#">75</a>
<a href="#">21</a>	HAZ GEN	KATHRYN & STEVEN BRADLEY	6935 E BACARRO ST LONG BEACH CA 908154806	NNE	0.21 / 1,083.56	-2	<a href="#">77</a>
<a href="#">22</a>	RCRA NON GEN	VICTORIA BILLIT	6911 EAST BACARRO STREET LONG BEACH CA 90815- 4806 <b>EPA Handler ID:</b> CAC002984547	NNE	0.16 / 861.02	-2	<a href="#">77</a>
<a href="#">22</a>	FINDS/FRS	VICTORIA BILLIT	6911 EAST BACARRO STREET LONG BEACH CA 90815- 4806 <b>Registry ID:</b> 110070406832	NNE	0.16 / 861.02	-2	<a href="#">78</a>
<a href="#">23</a>	LUST	RETIREMENT HOUSING FOUNDATION	911 STUDEBAKER ROAD LONG BEACH CA 90815	W	0.01 / 35.13	-1	<a href="#">79</a>
			<b>Global ID   Status   Status Date:</b> T0603795885   COMPLETED - CASE CLOSED   12/11/2013				
<a href="#">23</a>	HAZNET	PERKOWITZ & RUTH ARCHITECTS, INC.	911 STUDEBAKER RD LONG BEACH CA 908150000	W	0.01 / 35.13	-1	<a href="#">82</a>
<a href="#">23</a>	FINDS/FRS	RETIREMENT HOUSING FOUNDATION	911 STUDEBAKER ROAD LONG BEACH CA 90815	W	0.01 / 35.13	-1	<a href="#">83</a>
			<b>Registry ID:</b> 110065304744				
<a href="#">24</a>	FINDS/FRS	CARLEN ENTERPRISES	1000 N. STUDEBAKER RD. LONG BEACH CA 90815-	WSW	0.00 / 20.06	-2	<a href="#">83</a>
			<b>Registry ID:</b> 110022300794				
<a href="#">25</a>	HAZ GEN	S S MECHANICAL INC	6630 EAST ANAHEIM RD LONG BEACH CA 90815	W	0.02 / 85.80	-3	<a href="#">84</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev Diff (ft)</b>	<b>Page Number</b>
<a href="#">26</a>	ERNS		6702 EAST MANTOVA STREET LONG BEACH CA <i>NRC Report No:</i> 549122	NW	0.04 / 193.64	-3	<a href="#">84</a>
<a href="#">27</a>	HAZNET	MPR INC	911 STUDEBAKER LONG BEACH CA 908150000	W	0.02 / 120.40	-1	<a href="#">87</a>
<a href="#">28</a>	RCRA NON GEN	ANDY OLIVER	865 KALLIN AVENUE LONG BEACH CA 90815 <i>EPA Handler ID:</i> CAC003096588	SW	0.09 / 458.63	-3	<a href="#">87</a>
<a href="#">29</a>	RCRA NON GEN	CHRIS SULSONA	845 STEVELY AVE LONG BEACH CA 90815 <i>EPA Handler ID:</i> CAC003023104	S	0.20 / 1,066.69	0	<a href="#">89</a>
<a href="#">29</a>	FINDS/FRS	CHRIS SULSONA	845 STEVELY AVE LONG BEACH CA 90815 <i>Registry ID:</i> 110070586556	S	0.20 / 1,066.69	0	<a href="#">90</a>
<a href="#">30</a>	HMS LA		6560 E ANAHEIM RD LONG BEACH CA 90815	W	0.03 / 172.83	-3	<a href="#">91</a>
<a href="#">30</a>	UST LONGB	LA County Public Works	6560 E Anaheim RD Long Beach CA	W	0.03 / 172.83	-3	<a href="#">91</a>
<a href="#">30</a>	UST LONGB	LA County Public Works	6560 E Anaheim RD Long Beach CA	W	0.03 / 172.83	-3	<a href="#">92</a>
<a href="#">30</a>	HAZ GEN	L A COUNTY PUBLIC WORKS/FLOOD MAINT.	6560 E ANAHEIM RD LONG BEACH CA 908150000	W	0.03 / 172.83	-3	<a href="#">92</a>
<a href="#">31</a>	RCRA NON GEN	LYNN GAY	845 ROXANNE AVENUE LONG BEACH CA 90815 <i>EPA Handler ID:</i> CAC002993484	SSW	0.13 / 678.37	-2	<a href="#">93</a>
<a href="#">31</a>	FINDS/FRS	LYNN GAY	845 ROXANNE AVENUE LONG BEACH CA 90815 <i>Registry ID:</i> 110070512892	SSW	0.13 / 678.37	-2	<a href="#">94</a>
<a href="#">32</a>	HAZ GEN	JEAN TANAKA	836 STEVELY AVE LONG BEACH CA 90815	SSE	0.21 / 1,114.81	-1	<a href="#">95</a>
<a href="#">33</a>	RCRA NON GEN	KYLE GIPSON	856 KALLIN AVENUE LONG BEACH CA 90815 <i>EPA Handler ID:</i> CAC003068735	SW	0.08 / 441.83	-2	<a href="#">95</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev Diff (ft)</b>	<b>Page Number</b>
<a href="#">34</a>	HAZ GEN	FERGUSON, EILEEN	1283 N STUDEBAKER RD LONG BEACH CA 908154831	NW	0.01 / 31.28	-3	<a href="#">96</a>
<a href="#">35</a>	RCRA NON GEN	GEORGE BALDERAS	6861 E ROXANNE WAY LONG BEACH CA 90815 <i>EPA Handler ID: CAC003174068</i>	S	0.16 / 848.49	-2	<a href="#">96</a>
<a href="#">36</a>	HAZ GEN	ROBERT BRIESTER	6871 E ROXANNE WAY LONG BEACH CA 908155016	S	0.17 / 882.85	-2	<a href="#">98</a>
<a href="#">37</a>	RCRA NON GEN	KIER DELEO	833 ROXANNE AVENUE LONG BEACH CA 90815 <i>EPA Handler ID: CAC003183756</i>	SSW	0.13 / 678.97	-2	<a href="#">98</a>
<a href="#">37</a>	RCRA NON GEN	KIER DELEO	833 ROXANNE AVE LONG BEACH CA 90815 <i>EPA Handler ID: CAC003189235</i>	SSW	0.13 / 678.97	-2	<a href="#">99</a>
<a href="#">38</a>	HAZ GEN	JEAN BAUER	6870 E ROXANNE WAY LONG BEACH CA 908155015	S	0.17 / 873.52	-2	<a href="#">101</a>
<a href="#">39</a>	HAZ GEN	BATES CARL & CATHY 44-100404	824 STEVELY AVE LONG BEACH CA 90816	S	0.19 / 980.70	-1	<a href="#">101</a>
<a href="#">40</a>	RCRA NON GEN	RAQUEL BLUMENFIELD	6880 E ROXANNE WAY LONG BEACH CA 90815 <i>EPA Handler ID: CAC003055094</i>	S	0.18 / 931.36	-3	<a href="#">101</a>
<a href="#">40</a>	RCRA NON GEN	RAQUEL BLUMENFIELD	6880 E ROXANNE WAY LONG BEACH CA 90815 <i>EPA Handler ID: CAC003055228</i>	S	0.18 / 931.36	-3	<a href="#">102</a>
<a href="#">40</a>	RCRA NON GEN	MONICA OR RAQUEL BLUMENFIELD	6880 E ROXANNE WAY LONG BEACH CA 90815- 5015 <i>EPA Handler ID: CAC003057533</i>	S	0.18 / 931.36	-3	<a href="#">104</a>
<a href="#">40</a>	FINDS/FRS	RAQUEL BLUMENFIELD	6880 E ROXANNE WAY LONG BEACH CA 90815 <i>Registry ID: 110070726804</i>	S	0.18 / 931.36	-3	<a href="#">105</a>
<a href="#">40</a>	FINDS/FRS	MONICA OR RAQUEL BLUMENFIELD	6880 E ROXANNE WAY LONG BEACH CA 90815 <i>Registry ID: 110070807526</i>	S	0.18 / 931.36	-3	<a href="#">106</a>
<a href="#">41</a>	HAZ GEN	GRUNEWALD, CARMEN	6825 E. ESPANITA ST. LONG BEACH CA 90815	N	0.07 / 360.52	-2	<a href="#">107</a>
<a href="#">42</a>	HAZ GEN	HUE DANG	833 KALLIN AVE LONG BEACH CA 90815	SSW	0.08 / 414.20	-3	<a href="#">107</a>

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<a href="#">43</a>	RCRA NON GEN	DEBORAH DELFS	6920 E DRISCOLL ST LONG BEACH CA 90815-4809 <i>EPA Handler ID:</i> CAC003029887	NNE	0.17 / 918.82	-2	<a href="#">107</a>
<a href="#">43</a>	FINDS/FRS	DEBORAH DELFS	6920 E DRISCOLL ST LONG BEACH CA 90815-4809 <i>Registry ID:</i> 110070661070	NNE	0.17 / 918.82	-2	<a href="#">108</a>
<a href="#">44</a>	RCRA NON GEN	SHERRY SPAN	6934 E DRISCOLL STREET LONG BEACH CA 90815 <i>EPA Handler ID:</i> CAC003120662	NNE	0.20 / 1,039.84	-2	<a href="#">109</a>
<a href="#">45</a>	RCRA NON GEN	PATRICIA & STEVE WILLIAMS	6854 E DRISCOLL ST LONG BEACH CA 90815 <i>EPA Handler ID:</i> CAC003072165	NNE	0.13 / 670.67	-2	<a href="#">111</a>
<a href="#">46</a>	HAZ GEN	DAVID YZIAS	6946 E DRISCOLL AVE LONG BEACH CA 90815	NE	0.22 / 1,165.14	-2	<a href="#">112</a>
<a href="#">47</a>	HAZ GEN	LINDA DAVIS	850 LEES AVE LONG BEACH CA 90815	SW	0.03 / 160.52	-2	<a href="#">112</a>
<a href="#">48</a>	HAZ GEN	JONATHAN BRIMLEY	6947 E DRISCOLL ST LONG BEACH CA 908154810	NE	0.22 / 1,160.87	-2	<a href="#">112</a>
<a href="#">49</a>	HAZ GEN	KATHERINE MALONE	846 LEES AVEMIE LONG BEACH CA 90815	SW	0.03 / 160.34	-1	<a href="#">112</a>
<a href="#">50</a>	ENVIROSTOR	HILL MIDDLE SCHOOL GYMNASIUM PROJECT	1100 IROQUOIS AVENUE LONG BEACH CA 90815 <i>Estor/EPA ID   Cleanup Status:</i> 60002322   NO FURTHER ACTION AS OF 1/19/2018	WSW	0.07 / 357.72	0	<a href="#">113</a>
<a href="#">50</a>	SCH	HILL MIDDLE SCHOOL GYMNASIUM PROJECT	1100 IROQUOIS AVENUE LONG BEACH CA 90815 <i>Estor/EPA ID   Cleanup Status:</i> 60002322   NO FURTHER ACTION AS OF 1/19/2018	WSW	0.07 / 357.72	0	<a href="#">116</a>
<a href="#">51</a>	HAZ GEN	RUSINAS, PATRICIA	6817 E DRISCOLL ST LONG BEACH CA 908154808	N	0.06 / 300.31	-2	<a href="#">119</a>
<a href="#">52</a>	HAZ GEN	BRYAN RUSSEL	6841 E KALLIN WAY LONG BEACH CA 908155007	S	0.11 / 592.73	-4	<a href="#">119</a>
<a href="#">53</a>	HAZ GEN	ANDREA GOESCH	6860 E KALLIN WAY LONG BEACH CA 90815	S	0.13 / 704.77	-3	<a href="#">119</a>

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<a href="#">54</a>	HAZ GEN	ALONSO DELGADO	834 LEES AVENUE LONG BEACH CA 90815	SSW	0.03 / 160.18	-2	<a href="#">119</a>
<a href="#">55</a>	RCRA NON GEN	ROBIN LOVELY	6707 E. BACARRO ST LONG BEACH CA 90815 <i>EPA Handler ID: CAC003091084</i>	NNW	0.04 / 196.39	-3	<a href="#">119</a>
<a href="#">56</a>	DELISTED TNK	LOS ALTOS PUMPING PLANT	6560 ANAHEIM ROAD Long Beach CA 90815	W	0.12 / 615.47	-4	<a href="#">121</a>
<a href="#">56</a>	HHSS	LOS ALTOS PUMP PLANT	6560 ANAHEIM RD. LONG BEACH CA 90815	W	0.12 / 615.47	-4	<a href="#">121</a>
<a href="#">56</a>	HAZNET	L A COUNTY PUBLIC WORKS/FLOOD MAINT.	6560 ANAHEIM RD LONG BEACH CA 000000000	W	0.12 / 615.47	-4	<a href="#">121</a>
<a href="#">56</a>	EMISSIONS	LA COUNTY, DEPT OF PUBLIC WORK	6560 ANAHEIM RD LONG BEACH CA	W	0.12 / 615.47	-4	<a href="#">122</a>
<a href="#">56</a>	FINDS/FRS	LA COUNTY, LOS ALTOS PP	6560 ANAHEIM RD LONG BEACH CA 90815-0000 <i>Registry ID: 110070451538</i>	W	0.12 / 615.47	-4	<a href="#">122</a>
<a href="#">56</a>	UST SWEEPS	LOS ALTOS PUMPING PLANT	6560 ANAHEIM RD LONG BEACH CA <i>C C   Status: A19-060-34054   ACTIVE Tank ID: 000001</i>	W	0.12 / 615.47	-4	<a href="#">123</a>
<a href="#">56</a>	RCRA LQG	LA COUNTY, LOS ALTOS PP	6560 ANAHEIM RD LONG BEACH CA 90815-0000 <i>EPA Handler ID: CAL000220058</i>	W	0.12 / 615.47	-4	<a href="#">123</a>
<a href="#">56</a>	HAZ GEN	LA COUNTY, LOS ALTOS PP	6560 ANAHEIM RD LONG BEACH CA 908150000	W	0.12 / 615.47	-4	<a href="#">126</a>
<a href="#">57</a>	HAZ GEN	WILLIAM ELGIN	6701 BACARRO ST LONG BEACH CA 90815	NNW	0.04 / 219.01	-2	<a href="#">126</a>
<a href="#">58</a>	FINDS/FRS	LORNA ROLAND	830 LEES AVE LONG BEACH CA 90815 <i>Registry ID: 110011584918</i>	SSW	0.03 / 156.18	-3	<a href="#">126</a>
<a href="#">58</a>	RCRA NON GEN	SILVIA GARBIN	830 LEES AVENUE LONG BEACH CA 90815 <i>EPA Handler ID: CAC003164980</i>	SSW	0.03 / 156.18	-3	<a href="#">127</a>
<a href="#">58</a>	HAZ GEN	DAVE GARBIN	830 LEES AVE LONG BEACH CA 908155010	SSW	0.03 / 156.18	-3	<a href="#">128</a>

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<a href="#">59</a>	HAZNET	MARY AND WAYNE JOHNSON	6541 E MANTOVA ST LONG BEACH CA 908154661	WNW	0.11 / 575.91	-3	<a href="#">128</a>
<a href="#">60</a>	HAZ GEN	DIANA FICKLIN	6957 E GOLDCREST ST LONG BEACH CA 90815	NNE	0.13 / 705.67	-2	<a href="#">129</a>
<a href="#">61</a>	HAZ GEN	VALERIE EDEN BEACHLEY	1414 VUELTA GRANDE AVE LONG BEACH CA 90815	NW	0.07 / 366.36	-3	<a href="#">129</a>
<a href="#">62</a>	HAZ GEN	QUINALTY TERRY 44-85145	821 LEES AVENUE LONG BEACH CA 90815	SSW	0.03 / 140.94	-3	<a href="#">129</a>
<a href="#">63</a>	HAZ GEN	L.A.COUNTY PUBLIC WORKS FLOOD MAINT.	6560 ANAHEIM LONG BEACH CA 908150000	SW	0.04 / 201.92	-16	<a href="#">129</a>
<a href="#">64</a>	HAZ GEN	JOHN HAUCK	161 HARVARD LN SEAL BEACH CA 907402508	SE	0.21 / 1,110.03	-5	<a href="#">129</a>
<a href="#">65</a>	RCRA NON GEN	MARK NAITHAUS	6890 E LEES WAY LONG BEACH CA 90815-5011 <b>EPA Handler ID:</b> CAC003038990	S	0.09 / 457.85	-3	<a href="#">130</a>
<a href="#">65</a>	FINDS/FRS	MARK NAITHAUS	6890 E LEES WAY LONG BEACH CA 90815-5011 <b>Registry ID:</b> 110070653281	S	0.09 / 457.85	-3	<a href="#">131</a>
<a href="#">66</a>	HAZ GEN	CASSIE HALVORSON	6710 E ESPANITA ST LONG BEACH CA 908154851	NNW	0.08 / 430.13	-4	<a href="#">132</a>
<a href="#">66</a>	HAZ GEN	SARAH PETERSON	6710 E ESPANITA ST LONG BEACH CA 908154851	NNW	0.08 / 430.13	-4	<a href="#">132</a>
<a href="#">67</a>	HAZ GEN	REED, PATRICIA	153 HARVARD LN SEAL BEACH CA 907402508	SE	0.19 / 1,010.34	-5	<a href="#">132</a>
<a href="#">68</a>	HAZ GEN	JOHN THOMETZ	6520 E DELEON ST. LONG BEACH CA 90815	WNW	0.14 / 745.15	-3	<a href="#">132</a>
<a href="#">69</a>	RCRA NON GEN	RON HODGE	6521 E DE LEON ST LONG BEACH CA 90815-4628 <b>EPA Handler ID:</b> CAC003041583	WNW	0.14 / 750.11	-4	<a href="#">132</a>

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<a href="#">69</a>	FINDS/FRS	RON HODGE	6521 E DE LEON ST LONG BEACH CA 90815-4628 <i>Registry ID:</i> 110070650949	WNW	0.14 / 750.11	-4	<a href="#">134</a>
<a href="#">70</a>	RCRA NON GEN	EVAN BADER	144 HARVARD LN SEAL BEACH CA 90740-2509 <i>EPA Handler ID:</i> CAC003026971	SE	0.18 / 931.62	-5	<a href="#">135</a>
<a href="#">70</a>	FINDS/FRS	EVAN BADER	144 HARVARD LN SEAL BEACH CA 90740-2509 <i>Registry ID:</i> 110070651846	SE	0.18 / 931.62	-5	<a href="#">136</a>
<a href="#">71</a>	HAZ GEN	FRENCH, LAURA	145 HARVARD LN SEAL BEACH CA 907402508	SE	0.17 / 890.37	-5	<a href="#">137</a>
<a href="#">72</a>	RCRA NON GEN	LISA WICKER	6510 E DE LEON ST LONG BEACH CA 90815 <i>EPA Handler ID:</i> CAC002984551	WNW	0.15 / 805.70	-4	<a href="#">137</a>
<a href="#">72</a>	FINDS/FRS	LISA WICKER	6510 E DE LEON ST LONG BEACH CA 90815 <i>Registry ID:</i> 110070406836	WNW	0.15 / 805.70	-4	<a href="#">138</a>
<a href="#">73</a>	RCRA NON GEN	BEN MORGAN	6734 E DRISCOLL ST LONG BEACH CA 90815 <i>EPA Handler ID:</i> CAC003114388	NNW	0.08 / 410.87	-3	<a href="#">139</a>
<a href="#">74</a>	HAZ GEN	ELINORE RICHARDSON	153 STANFORD LN SEAL BEACH CA 907402533	ESE	0.23 / 1,194.93	-6	<a href="#">140</a>
<a href="#">75</a>	HAZ GEN	RAYMON GILBERT	1503 VUELTA GRANDE AVE LONG BEACH CA 90815	NW	0.11 / 590.69	-4	<a href="#">141</a>
<a href="#">76</a>	RCRA NON GEN	KATHLEEN TOBIN	1602 PATTIZ AVE LONG BEACH CA 90815 <i>EPA Handler ID:</i> CAC003167012	NNE	0.19 / 1,024.95	-1	<a href="#">141</a>
<a href="#">77</a>	FINDS/FRS	LBUSD-SATO HIGH SCHOOL (PREVIOUSLY HILL)	1100 IROQUIOS AVENUE LONG BEACH CA 90815-4649 <i>Registry ID:</i> 110002699615	W	0.20 / 1,035.50	-2	<a href="#">142</a>
<a href="#">77</a>	HAZNET	1X HILL JUNIOR HIGH SCHOOL	1100 IROQUOIS AVE. LONG BEACH CA 913010000	W	0.20 / 1,035.50	-2	<a href="#">143</a>
<a href="#">77</a>	HIST MANIFEST		1100 IROQUIOS AVENUE LONG BEACH CA 908150000	W	0.20 / 1,035.50	-2	<a href="#">143</a>
<a href="#">77</a>	RCRA SQG	LBUSD-SATO HIGH SCHOOL (PREVIOUSLY HILL)	1100 IROQUIOS AVENUE LONG BEACH CA 90815-0000	W	0.20 / 1,035.50	-2	<a href="#">144</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number	
			<i>EPA Handler ID:</i> CAD981419849					
<a href="#">77</a>	HAZ GEN	LBUSD-HILL MIDDLE SCHOOL	1100 IROQUIOS AVENUE LONG BEACH CA 908150000	W	0.20 / 1,035.50	-2	<a href="#">153</a>	
<a href="#">78</a>	HAZNET	HOLLY DAVIS	787 SALIDA AVE LONG BEACH CA 908155017	SSW	0.05 / 263.88	-4	<a href="#">154</a>	
<a href="#">79</a>	HIST TANK	LOS ALTOS PUMP PLANT	6560 ANAHEIM RD. LONG BEACH CA	W	0.20 / 1,053.09	-4	<a href="#">154</a>	
<a href="#">80</a>	HAZ GEN	JANET OTTO	6981 E EL ROBLE ST LONG BEACH CA 90815	NNE	0.15 / 798.21	0	<a href="#">154</a>	
<a href="#">81</a>	HAZ GEN	KRISTEN NEWMAN	6471 E EL JARDIN STREET LONG BEACH CA 90815	W	0.19 / 1,026.75	-4	<a href="#">154</a>	
<a href="#">82</a>	CHMIRS	Long Beach Water Dept	6491 Bixby Hill Rd Long Beach CA 90815	SW	0.10 / 530.18	-1	<a href="#">155</a>	
			<i>Control No   Notified Date:</i> 11-1172					
<a href="#">83</a>	RCRA NON GEN	ROBERT ARBOIT	133 HARVARD LANE SEAL BEACH CA 90740	SE	0.14 / 720.63	-5	<a href="#">157</a>	
			<i>EPA Handler ID:</i> CAC002977190					
<a href="#">83</a>	FINDS/FRS	ROBERT ARBOIT	133 HARVARD LANE SEAL BEACH CA 90740	SE	0.14 / 720.63	-5	<a href="#">158</a>	
			<i>Registry ID:</i> 110070465779					
<a href="#">84</a>	HAZ GEN	MESSENGER, MARK	141 STANFORD LN SEAL BEACH CA 907402533	SE	0.20 / 1,047.47	-6	<a href="#">159</a>	
<a href="#">85</a>	RCRA NON GEN	CHERI SWATEK	6921 E SEPTIMO ST LONG BEACH CA 90815-5021	S	0.04 / 216.84	-4	<a href="#">159</a>	
			<i>EPA Handler ID:</i> CAC003062443					
<a href="#">85</a>	FINDS/FRS	CHERI SWATEK	6921 E SEPTIMO ST LONG BEACH CA 90815-5021	S	0.04 / 216.84	-4	<a href="#">161</a>	
			<i>Registry ID:</i> 110070803562					
<a href="#">86</a>	HAZ GEN	MELVIN KANTZ	6911 EAST SEPTIMO STREET LONG BEACH CA 90815	S	0.04 / 207.58	-3	<a href="#">161</a>	
<a href="#">87</a>	HAZ GEN	KEN GENTILE	6890 E. SEPTIMO ST. LONG BEACH CA 90815	S	0.04 / 189.66	-4	<a href="#">162</a>	

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">88</a>	HAZ GEN	MANUEL LOPEZ	6860 E SEPTIMO ST LONG BEACH CA 908155018	S	0.04 / 187.85	-3	<a href="#">162</a>
<a href="#">89</a>	LUST	LA COUNTY PUBLIC WORKS - ALAMITOS YARD	881 IROQUOIS ST. LONG BEACH CA 90815	WSW	0.18 / 934.50	-3	<a href="#">162</a>
<i>Global ID   Status   Status Date:</i> T0603727690   COMPLETED - CASE CLOSED   8/23/2006							
<a href="#">89</a>	FINDS/FRS	LA COUNTY PUBLIC WORKS - ALAMITOS YARD	881 IROQUOIS ST. LONG BEACH CA 90815	WSW	0.18 / 934.50	-3	<a href="#">165</a>
<i>Registry ID:</i> 110066812729							
<a href="#">90</a>	HAZ GEN	HAROLD SEIFER	6471 E MANTOVA ST LONG BEACH CA 90815	WNW	0.20 / 1,066.87	-3	<a href="#">166</a>
<a href="#">91</a>	HAZNET	1X WACHI, FRANCIS	6530 ESPANITA ST LONG BEACH CA 908154635	NW	0.17 / 900.00	-2	<a href="#">166</a>
<a href="#">91</a>	HIST MANIFEST		6530 ESPANITA ST LONG BEACH CA 908154635	NW	0.17 / 900.00	-2	<a href="#">167</a>
<a href="#">92</a>	HAZ GEN	JAMIL & SIHAM BUDEIRI	871 N RANCHO DR LONG BEACH CA 90815	WSW	0.13 / 712.64	1	<a href="#">168</a>
<a href="#">93</a>	HAZ GEN	ANITA PATTEN	1411 JOSIE AVENUE LONG BEACH CA 90815	WNW	0.19 / 1,014.89	-3	<a href="#">168</a>
<a href="#">94</a>	HHSS	ALAMITOS YARD	881 IROQUOIS AVENUE LONG BEACH CA 90815	WSW	0.17 / 898.10	-3	<a href="#">168</a>
<a href="#">94</a>	HIST TANK	ALAMITOS YARD	881 IROQUOIS AVENUE LONG BEACH CA	WSW	0.17 / 898.10	-3	<a href="#">168</a>
<a href="#">94</a>	RCRA NON GEN	LACDPW ALAMITOS YARD	881 IROQUOIS AVE LONG BEACH CA 90815-0000	WSW	0.17 / 898.10	-3	<a href="#">168</a>
<i>EPA Handler ID:</i> CAL000200686							
<a href="#">94</a>	FINDS/FRS	LACDPW ALAMITOS YARD	881 IROQUOIS AVE LONG BEACH CA 90815-0000	WSW	0.17 / 898.10	-3	<a href="#">170</a>
<i>Registry ID:</i> 110070447728							
<a href="#">94</a>	UST SWEEPS	ALAMITOS YARD	881 IROQUOIS AVE LONG BEACH CA	WSW	0.17 / 898.10	-3	<a href="#">171</a>
<i>C C   Status:</i> A19-060-34055   ACTIVE							
<i>Tank ID:</i> 000001							

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev Diff (ft)</b>	<b>Page Number</b>
<a href="#">94</a>	HAZ GEN	LACDPW ALAMITOS YARD	881 IROQUOIS AVE LONG BEACH CA 908150000	WSW	0.17 / 898.10	-3	<a href="#">171</a>
<a href="#">95</a>	RCRA NON GEN	KRISTIN & JUSTIN PYUN	1632 PETALUMA AVE LONG BEACH CA 90815 <i>EPA Handler ID: CAC003193169</i>	N	0.06 / 291.34	-2	<a href="#">171</a>
<a href="#">96</a>	RCRA NON GEN	DAVID SAZEGAR	6810 SEPTIMO AVE LONG BEACH CA 90815 <i>EPA Handler ID: CAC002981934</i>	SSW	0.02 / 116.29	-3	<a href="#">173</a>
<a href="#">96</a>	FINDS/FRS	DAVID SAZEGAR	6810 SEPTIMO AVE LONG BEACH CA 90815 <i>Registry ID: 110070437656</i>	SSW	0.02 / 116.29	-3	<a href="#">174</a>
<a href="#">97</a>	HAZ GEN	MATTHEW ROPPO	125 STANFORD LN SEAL BEACH CA 907402533	SE	0.16 / 857.16	-6	<a href="#">175</a>
<a href="#">98</a>	HMS LA		881 N IROQUOIS ST LONG BEACH CA 90815	WSW	0.19 / 994.31	-2	<a href="#">175</a>
<a href="#">99</a>	HAZNET	DEBBIE TANKERSLEY	6916 E EL ROBLE ST LONG BEACH CA 908154815	N	0.06 / 306.85	0	<a href="#">175</a>
<a href="#">100</a>	RCRA NON GEN	SHELDON GEBB	6450 EAST MANTOVA STREET LONG BEACH CA 90815 <i>EPA Handler ID: CAC003160220</i>	WNW	0.22 / 1,186.46	-3	<a href="#">176</a>
<a href="#">101</a>	RCRA NON GEN	KUBIEK, PAUL	121 STANFORD LANE SEAL BEACH CA 90740 <i>EPA Handler ID: CAC002982019</i>	SE	0.15 / 792.56	-7	<a href="#">177</a>
<a href="#">101</a>	FINDS/FRS	KUBIEK, PAUL	121 STANFORD LANE SEAL BEACH CA 90740 <i>Registry ID: 110070438262</i>	SE	0.15 / 792.56	-7	<a href="#">179</a>
<a href="#">102</a>	HAZ GEN	BLEEKER GRAHAM	113 HARVARD LN SEAL BEACH CA 907402508	SE	0.10 / 541.47	-6	<a href="#">179</a>
<a href="#">103</a>	HAZNET	TORRES, ANGELICA	7032 E. EL CEDRAL ST. LONG BEACH CA 90815	NNE	0.22 / 1,147.28	-1	<a href="#">179</a>
<a href="#">104</a>	RCRA NON GEN	FRANCIS BETTIS	7011 E EL CEDRAL STREET LONG BEACH CA 90815 <i>EPA Handler ID: CAC003106031</i>	NNE	0.18 / 952.64	-1	<a href="#">180</a>
<a href="#">104</a>	RCRA NON GEN	FRANCIS BETTIS	7011 E EL CEDRAL ST LONG BEACH CA 90815	NNE	0.18 / 952.64	-1	<a href="#">181</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number	
			<i>EPA Handler ID:</i> CAC003139802					
<a href="#">105</a>	SCH	EUGENE TINCHER SCHOOL SITE	1701 PETALUMA AVENUE LONG BEACH CA 90815	NNW	0.08 / 419.90	1	<a href="#">183</a>	
			<i>Estor/EPA ID   Cleanup Status:</i> 19820023   NO ACTION REQUIRED AS OF 2/11/2000					
<a href="#">105</a>	ENVIROSTOR	EUGENE TINCHER SCHOOL SITE	1701 PETALUMA AVENUE LONG BEACH CA 90815	NNW	0.08 / 419.90	1	<a href="#">183</a>	
			<i>Estor/EPA ID   Cleanup Status:</i> 19820023   NO ACTION REQUIRED AS OF 2/11/2000					
<a href="#">106</a>	RCRA NON GEN	STEVE JONES	108 HARVARD LN SEAL BEACH CA 90740-2509	SE	0.10 / 526.86	-6	<a href="#">184</a>	
			<i>EPA Handler ID:</i> CAC003057488					
<a href="#">106</a>	FINDS/FRS	STEVE JONES	108 HARVARD LN SEAL BEACH CA 90740-2509	SE	0.10 / 526.86	-6	<a href="#">185</a>	
			<i>Registry ID:</i> 110070804861					
<a href="#">107</a>	RCRA NON GEN	FEDERICO & NANCY JIMENEZ	117 YALE LANE SEAL BEACH CA 90740	SE	0.20 / 1,047.36	-6	<a href="#">186</a>	
			<i>EPA Handler ID:</i> CAC003051585					
<a href="#">107</a>	FINDS/FRS	FEDERICO & NANCY JIMENEZ	117 YALE LANE SEAL BEACH CA 90740	SE	0.20 / 1,047.36	-6	<a href="#">187</a>	
			<i>Registry ID:</i> 110070718028					
<a href="#">108</a>	FINDS/FRS	LONG BEACH USD-TINCHER ELEMENTARY	1701 PETALUMA AVENUE LONG BEACH CA 90815-4855	NNW	0.13 / 669.51	0	<a href="#">188</a>	
			<i>Registry ID:</i> 110002700239					
<a href="#">108</a>	RCRA LQG	LONG BEACH USD-TINCHER ELEMENTARY	1701 PETALUMA AVENUE LONG BEACH CA 90815	NNW	0.13 / 669.51	0	<a href="#">189</a>	
			<i>EPA Handler ID:</i> CAD981421191					
<a href="#">108</a>	HAZ GEN	LBUSD-TINCHER ELEMENTARY	1701 PETALUMA AVE LONG BEACH CA 908154855	NNW	0.13 / 669.51	0	<a href="#">190</a>	
<a href="#">108</a>	HAZ GEN	LONG BCH USD/TINCHER ELEM SCH	1701 PETALUMA AVE LONG BEACH CA 908150000	NNW	0.13 / 669.51	0	<a href="#">190</a>	
<a href="#">109</a>	RCRA NON GEN	CHRISTY HOOVER	112 STANFORDLN SEAL BEACH CA 90740	SE	0.16 / 858.47	-4	<a href="#">190</a>	
			<i>EPA Handler ID:</i> CAC002981167					
<a href="#">109</a>	FINDS/FRS	CHRISTY HOOVER	112 STANFORDLN SEAL BEACH CA 90740	SE	0.16 / 858.47	-4	<a href="#">192</a>	
			<i>Registry ID:</i> 110070438021					
<a href="#">110</a>	SCH	EUGENE TINCHER SCHOOL SITE	1701 PETALUMA AVENUE LONG BEACH CA 90815	NNW	0.11 / 583.79	1	<a href="#">193</a>	
			<i>Estor/EPA ID   Cleanup Status:</i> 19820122   NO ACTION REQUIRED AS OF 2/11/2000					

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">110</a>	ENVIROSTOR	EUGENE TINCHER SCHOOL SITE	1701 PETALUMA AVENUE LONG BEACH CA 90815	NNW	0.11 / 583.79	1	<a href="#">194</a>
<i>Estor/EPA ID   Cleanup Status:</i> 19820122   NO ACTION REQUIRED AS OF 2/11/2000							
<a href="#">111</a>	HAZ GEN	ROD JUNE	113 YALE LN SEAL BEACH CA 907402521	SE	0.19 / 1,022.04	-6	<a href="#">195</a>
<a href="#">112</a>	CHMIRS	Long Beach Fire Dept	1501 Josie Ave Long Beach CA	NW	0.22 / 1,173.11	-2	<a href="#">195</a>
<i>Control No   Notified Date:</i> 3/23/200203:29:39 PM							
<a href="#">113</a>	HAZ GEN	DAN MCDONALD	6958 E. EL CEDRAL STREET LONG BEACH CA 90815	NNE	0.12 / 610.94	-1	<a href="#">195</a>
<a href="#">114</a>	RCRA NON GEN	DAN MCDONALD	6958 EAST EL CEDRAL ST LONG BEACH CA 90815	NNE	0.12 / 611.83	0	<a href="#">196</a>
<i>EPA Handler ID:</i> CAC003135744							
<a href="#">115</a>	HAZ GEN	FOSTER, MERLE	6510 E DRISCOLL ST LONG BEACH CA 908154630	NW	0.22 / 1,147.29	-4	<a href="#">197</a>
<a href="#">116</a>	HAZ GEN	CARRIE MARINOW	108 YALE LN SEAL BEACH CA 90740	SE	0.20 / 1,044.78	-6	<a href="#">197</a>
<a href="#">117</a>	RCRA NON GEN	MICHELLE THOMPSON	6441 E BIXBY HILL RD LONG BEACH CA 90815-4708	WSW	0.19 / 987.76	16	<a href="#">197</a>
<i>EPA Handler ID:</i> CAC003029277							
<a href="#">117</a>	FINDS/FRS	MICHELLE THOMPSON	6441 E BIXBY HILL RD LONG BEACH CA 90815-4708	WSW	0.19 / 987.76	16	<a href="#">199</a>
<i>Registry ID:</i> 110070655220							
<a href="#">118</a>	HAZNET	BERNADINE KUSSMAN	6431 E BIXBY HILL RD. LONG BEACH CA 90815	WSW	0.20 / 1,057.87	20	<a href="#">199</a>
<a href="#">119</a>	HAZ GEN	VANWEY, STEVEN	116 COLLEGE PARK DR SEAL BEACH CA 907402502	SE	0.08 / 424.54	-6	<a href="#">200</a>
<a href="#">120</a>	RCRA NON GEN	CHAVEZ, MARK	6291 E. DRISCOLL STREET LONG BEACH CA 90815	NW	0.24 / 1,264.60	-3	<a href="#">200</a>
<i>EPA Handler ID:</i> CAC002976661							
<a href="#">120</a>	FINDS/FRS	CHAVEZ, MARK	6291 E. DRISCOLL STREET LONG BEACH CA 90815	NW	0.24 / 1,264.60	-3	<a href="#">201</a>
<i>Registry ID:</i> 110070465271							
<a href="#">121</a>	RCRA NON GEN	THOMAS J KAMPWIRTH TR	149 COLLEGE PARK DR SEAL BEACH CA 90740	SE	0.18 / 951.16	-7	<a href="#">202</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number	
			<i>EPA Handler ID:</i> CAC003192748					
<a href="#">122</a>	HAZNET	PHIL MORRILL	156 COLLEGE PARK DR SEAL BEACH CA 90740	SE	0.20 / 1,046.24	-6	<a href="#">204</a>	
<a href="#">123</a>	CHMIRS	So. CA Edison	6485 Surrey Long Beach CA 91770	SW	0.15 / 807.93	6	<a href="#">204</a>	
			<i>Control No   Notified Date:</i> 2/11/200301:14:15 PM					
<a href="#">124</a>	HAZNET	1X SEAGER, PAM	6400 BIXBY HILL RD LONG BEACH CA 908150000	WSW	0.22 / 1,172.00	30	<a href="#">204</a>	
<a href="#">124</a>	HIST MANIFEST		6400 BIXBY HILL RD LONG BEACH CA 908150000	WSW	0.22 / 1,172.00	30	<a href="#">205</a>	
<a href="#">125</a>	HAZ GEN	GANI VOHRA	6484 E SURREY DR LONG BEACH CA 90815	SW	0.15 / 769.42	2	<a href="#">206</a>	
<a href="#">126</a>	HAZ GEN	DON FRIZZELL	6485 E SURREY DR LONG BEACH CA 908154744	SW	0.15 / 795.56	3	<a href="#">206</a>	
<a href="#">127</a>	FINDS/FRS	LOS ALAMITOS PRESSURE STATION	HWY. 22 &AMP; STUDEBAKER LONG BEACH CA 90802 <i>Registry ID:</i> 110065884902	S	0.07 / 346.73	-17	<a href="#">206</a>	
<a href="#">128</a>	HAZ GEN	MARK SUDOCK	404 PURDUE CIR SEAL BEACH CA 907402516	SE	0.12 / 640.05	-6	<a href="#">207</a>	
<a href="#">129</a>	VCP	EPTC ALAMITOS PARCEL 3-4	692 NORTH STUDEBAKER ROAD LONG BEACH CA 90803 <i>Estor/EPA ID   Cleanup Status:</i> 19130113   INACTIVE - ACTION REQUIRED AS OF 9/9/2020	SSW	0.11 / 581.13	-1	<a href="#">207</a>	
<a href="#">129</a>	ENVIROSTOR	EPTC ALAMITOS PARCEL 3-4	692 NORTH STUDEBAKER ROAD LONG BEACH CA 90803 <i>Estor/EPA ID   Cleanup Status:</i> 19130113   INACTIVE - ACTION REQUIRED AS OF 9/9/2020	SSW	0.11 / 581.13	-1	<a href="#">208</a>	
<a href="#">130</a>	ERNS		6463 BIXBY TERRACE DR LONG BEACH CA <i>NRC Report No:</i> 1035531	SW	0.16 / 820.56	-1	<a href="#">210</a>	
<a href="#">130</a>	CHMIRS	NRC	6463 Bixby Terrace Dr. Long Beach CA <i>Control No   Notified Date:</i> 13-0258	SW	0.16 / 820.56	-1	<a href="#">212</a>	
<a href="#">131</a>	RCRA NON GEN	GABRIEL COHEN	1735 VUELTA GRANDE AVE LONG BEACH CA 90815 <i>EPA Handler ID:</i> CAC003074639	NNW	0.19 / 989.63	-3	<a href="#">216</a>	

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev Diff (ft)</b>	<b>Page Number</b>
<a href="#">132</a>	FINDS/FRS	VETERANS HEALTH CARE SYSTEM LONG BEACH	6901 EAST 7TH STREET LONG BEACH CA 90815  <i>Registry ID:</i> 110042340375	SW	0.14 / 753.40	4	<a href="#">217</a>
<a href="#">132</a>	ICIS	VETERANS HEALTH CARE SYSTEM LONG BEACH	6901 EAST 7TH STREET LONG BEACH CA 90815  <i>Registry ID:</i> 110042340375	SW	0.14 / 753.40	4	<a href="#">218</a>
<a href="#">133</a>	CHMIRS	City of Long Beach Health Dept	Atherton at Vuelta Grande Long Beach CA  <i>Control No   Notified Date:</i> 12/15/199806:51:48 PM	NNW	0.18 / 967.23	-2	<a href="#">219</a>
<a href="#">134</a>	FINDS/FRS	STEPHANIE ROHR	1040 FOXBURG #21G SEAL BEACH CA 90740  <i>Registry ID:</i> 110070462591	SE	0.07 / 351.80	-5	<a href="#">219</a>
<a href="#">135</a>	CERS HAZ	AT&T Mobility - (USID207498)	698 N STUDEBAKER RD LONG BEACH CA 90803	SSW	0.15 / 796.77	0	<a href="#">220</a>
<a href="#">135</a>	RCRA NON GEN	NEW CINGULAR WIRELESS PCS LLC	698 STUDEBAKER RD LONG BEACH CA 90803  <i>EPA Handler ID:</i> CAL000454395	SSW	0.15 / 796.77	0	<a href="#">222</a>
<a href="#">135</a>	FINDS/FRS	NEW CINGULAR WIRELESS PCS LLC	698 STUDEBAKER RD LONG BEACH CA 90803  <i>Registry ID:</i> 110070797235	SSW	0.15 / 796.77	0	<a href="#">223</a>
<a href="#">136</a>	CHMIRS	Long Beach Fire	6450 Bixby Terrace Drive Long Beach CA  <i>Control No   Notified Date:</i> 09-5247	SW	0.23 / 1,230.37	8	<a href="#">224</a>
<a href="#">137</a>	HAZNET	KEN STUTZMAN	1830 STEVELY AVE LONG BEACH CA 90815	NNE	0.25 / 1,297.41	2	<a href="#">226</a>
<a href="#">138</a>	RCRA NON GEN	TRACE EDWARDS	1833 NIPOMO AVE LONG BEACH CA 90815  <i>EPA Handler ID:</i> CAC003069451	NNW	0.16 / 860.62	-2	<a href="#">227</a>
<a href="#">139</a>	RCRA NON GEN	ALBERT COMIA	13020 OAK HILLS DR UNIT 225-F SEAL BEACH CA 90740-3288 <i>EPA Handler ID:</i> CAC003030141	SE	0.16 / 868.38	-5	<a href="#">228</a>
<a href="#">139</a>	FINDS/FRS	ALBERT COMIA	13020 OAK HILLS DR SEAL BEACH CA 90740-3288  <i>Registry ID:</i> 110070655260	SE	0.16 / 868.38	-5	<a href="#">229</a>
<a href="#">139</a>	RCRA NON GEN	NEIL ARONOW	13020 OAK HILLS DR UNIT 225G SEAL BEACH CA 90740 <i>EPA Handler ID:</i> CAC003139068	SE	0.16 / 868.38	-5	<a href="#">230</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev Diff (ft)</b>	<b>Page Number</b>
<a href="#">140</a>	HIST CHMIRS		1080 BROOKLINE RD SEAL BEACH CA	SSE	0.10 / 549.82	-7	<a href="#">232</a>
<a href="#">140</a>	HAZ GEN	BILL HAMILTON	1080 BROOKLINE RD APT 213A SEAL BEACH CA 907403271	SSE	0.10 / 549.82	-7	<a href="#">232</a>
<a href="#">141</a>	RCRA NON GEN	CAROL COX	1060 BROOKLINE RD #212A SEAL BEACH CA 90740  <i>EPA Handler ID:</i> CAC003166833	SSE	0.10 / 551.11	-7	<a href="#">232</a>
<a href="#">142</a>	HAZ GEN	STEPHEN J LOPEZ	1100 BROOKLINE RD UNIT 222-A SEAL BEACH CA 90740	SSE	0.11 / 604.21	-7	<a href="#">234</a>
<a href="#">143</a>	FINDS/FRS	DONNA WENRICH	13061 OAK HILL DRIVE #221- L SEAL BEACH CA 90740 <i>Registry ID:</i> 110070439312	SE	0.18 / 967.55	-5	<a href="#">234</a>
<a href="#">144</a>	HAZ GEN	LUKA SIDARONS	13081 OAK HILLS DRIVE #223F SEAL BEACH CA 90740	SE	0.18 / 968.44	-5	<a href="#">234</a>
<a href="#">145</a>	HAZ GEN	LYNNE RETMIER	13140 NASSAU DR APT 214B SEAL BEACH CA 907403227	SSE	0.13 / 702.19	-7	<a href="#">235</a>
<a href="#">146</a>	HAZNET	RYAN MCMULLAN	1903 VUELTA GRANDE AVE LONG BEACH CA 90815	NNW	0.24 / 1,266.87	-1	<a href="#">235</a>
<a href="#">146</a>	HAZ GEN	SARAH & RYAN MCMULLAN	1903 VUELTA GRANDE AVE LONG BEACH CA 90815	NNW	0.24 / 1,266.87	-1	<a href="#">235</a>
<a href="#">147</a>	HAZNET	LEISURE WORLD, INC	1280 SCIOTO RD SEAL BEACH CA 90790	SE	0.23 / 1,202.46	-6	<a href="#">235</a>
<a href="#">148</a>	HAZ GEN	GENNI PROGLIO	6931 E FAIRBROOK ST LONG BEACH CA 908153602	N	0.22 / 1,168.50	2	<a href="#">236</a>
<a href="#">149</a>	HAZ GEN	DORIS WEINERT	13121 OAKHILLS RD UNIT 233-F SEAL BEACH CA 90740	SE	0.23 / 1,238.11	-5	<a href="#">236</a>
<a href="#">150</a>	HAZ GEN	JIMMIE AKARASRIWON	13101 OAK HILLS DR APT 234G SEAL BEACH CA 907403237	SE	0.24 / 1,254.28	-5	<a href="#">236</a>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<a href="#">150</a>	HAZ GEN	BETH MAYER	13101 OAK HILLS DR # 23A SEAL BEACH CA 907403295	SE	0.24 / 1,254.28	-5	<a href="#">236</a>
<a href="#">151</a>	RCRA NON GEN	TOM DUCKWORTH	1123 NORTHWOOD 236H SEAL BEACH CA 90740 <i>EPA Handler ID:</i> CAC002988008	SE	0.23 / 1,222.41	-6	<a href="#">237</a>
<a href="#">152</a>	HAZ GEN	JOHANSEN, RICHARD	1125 NORTHWOOD RD. SEAL BEACH CA 90740	SE	0.23 / 1,226.31	-6	<a href="#">238</a>
<a href="#">153</a>	FINDS/FRS	TOM DUCKWORTH	1123 NORTHWOOD 236H SEAL BEACH CA 90740 <i>Registry ID:</i> 110070441615	SE	0.23 / 1,225.06	-6	<a href="#">238</a>
<a href="#">154</a>	HAZ GEN	ALICE CALHOUN	1121 NORTHWOOD RD APT 237E SEAL BEACH CA 907403337	SE	0.23 / 1,223.86	-6	<a href="#">239</a>

## Executive Summary: Summary by Data Source

### Standard

### Federal

#### RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Sep 5, 2022 has found that there are 2 RCRA LQG site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LA COUNTY, LOS ALTOS PP	6560 ANAHEIM RD LONG BEACH CA 90815-0000	W	0.12 / 615.47	<a href="#">56</a>
	<i>EPA Handler ID: CAL000220058</i>			
LONG BEACH USD-TINCHER ELEMENTARY	1701 PETALUMA AVENUE LONG BEACH CA 90815	NNW	0.13 / 669.51	<a href="#">108</a>
	<i>EPA Handler ID: CAD981421191</i>			

#### RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Sep 5, 2022 has found that there are 1 RCRA SQG site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LBUSD-SATO HIGH SCHOOL (PREVIOUSLY HILL)	1100 IROQUIOS AVENUE LONG BEACH CA 90815-0000	W	0.20 / 1,035.50	<a href="#">77</a>
	<i>EPA Handler ID: CAD981419849</i>			

#### RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Sep 5, 2022 has found that there are 52 RCRA NON GEN site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WILLIAM WITT	6841 E MANTOVA ST LONG BEACH CA 90815-4916	NNE	0.20 / 1,067.32	<a href="#">5</a>
	<i>EPA Handler ID: CAC003061611</i>			
BICH DANG	6902 E DE LEON ST LONG BEACH CA 90815	NNE	0.20 / 1,074.09	<a href="#">8</a>
	<i>EPA Handler ID: CAC003023013</i>			
ROBERT ANDERSON	872 N KAREN WAY LONG BEACH CA 90815	S	0.20 / 1,048.98	<a href="#">9</a>
	<i>EPA Handler ID: CAC003022678</i>			
ROSA TRUJILLO	6835 E DE LEON ST LONG BEACH CA 90815-4908	NNE	0.18 / 925.38	<a href="#">10</a>
	<i>EPA Handler ID: CAC003061754</i>			

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
ELNA ANDERSON	860 STEVELY AVE LONG BEACH CA 90815	SSE	0.24 / 1,259.53	<a href="#">11</a>
	<i>EPA Handler ID: CAC003026455</i>			
SUSAN MURRAY	6718 EAST MANTOVA ST. LONG BEACH CA 90815	NW	0.07 / 347.29	<a href="#">15</a>
	<i>EPA Handler ID: CAC002978775</i>			
CHARLES D CLAY AND PATRICIA C CLAY	6719 E MANTOVA ST LONG BEACH CA 90815	NW	0.06 / 317.00	<a href="#">19</a>
	<i>EPA Handler ID: CAC003178326</i>			
VICTORIA BILLIT	6911 EAST BACARRO STREET LONG BEACH CA 90815-4806	NNE	0.16 / 861.02	<a href="#">22</a>
	<i>EPA Handler ID: CAC002984547</i>			
ANDY OLIVER	865 KALLIN AVENUE LONG BEACH CA 90815	SW	0.09 / 458.63	<a href="#">28</a>
	<i>EPA Handler ID: CAC003096588</i>			
CHRIS SULSONA	845 STEVELY AVE LONG BEACH CA 90815	S	0.20 / 1,066.69	<a href="#">29</a>
	<i>EPA Handler ID: CAC003023104</i>			
LYNN GAY	845 ROXANNE AVENUE LONG BEACH CA 90815	SSW	0.13 / 678.37	<a href="#">31</a>
	<i>EPA Handler ID: CAC002993484</i>			
KYLE GIPSON	856 KALLIN AVENUE LONG BEACH CA 90815	SW	0.08 / 441.83	<a href="#">33</a>
	<i>EPA Handler ID: CAC003068735</i>			
GEORGE BALDERAS	6861 E ROXANNE WAY LONG BEACH CA 90815	S	0.16 / 848.49	<a href="#">35</a>
	<i>EPA Handler ID: CAC003174068</i>			
KIER DELEO	833 ROXANNE AVENUE LONG BEACH CA 90815	SSW	0.13 / 678.97	<a href="#">37</a>
	<i>EPA Handler ID: CAC003183756</i>			
KIER DELEO	833 ROXANNE AVE LONG BEACH CA 90815	SSW	0.13 / 678.97	<a href="#">37</a>
	<i>EPA Handler ID: CAC003189235</i>			
RAQUEL BLUMENFIELD	6880 E ROXANNE WAY LONG BEACH CA 90815	S	0.18 / 931.36	<a href="#">40</a>

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	<i>EPA Handler ID: CAC003055094</i>			
RAQUEL BLUMENFIELD	6880 E ROXANNE WAY LONG BEACH CA 90815	S	0.18 / 931.36	<a href="#">40</a>
	<i>EPA Handler ID: CAC003055228</i>			
MONICA OR RAQUEL BLUMENFIELD	6880 E ROXANNE WAY LONG BEACH CA 90815-5015	S	0.18 / 931.36	<a href="#">40</a>
	<i>EPA Handler ID: CAC003057533</i>			
DEBORAH DELFS	6920 E DRISCOLL ST LONG BEACH CA 90815-4809	NNE	0.17 / 918.82	<a href="#">43</a>
	<i>EPA Handler ID: CAC003029887</i>			
SHERRY SPAN	6934 E DRISCOLL STREET LONG BEACH CA 90815	NNE	0.20 / 1,039.84	<a href="#">44</a>
	<i>EPA Handler ID: CAC003120662</i>			
PATRICIA & STEVE WILLIAMS	6854 E DRISCOLL ST LONG BEACH CA 90815	NNE	0.13 / 670.67	<a href="#">45</a>
	<i>EPA Handler ID: CAC003072165</i>			
ROBIN LOVELY	6707 E. BACARRO ST LONG BEACH CA 90815	NNW	0.04 / 196.39	<a href="#">55</a>
	<i>EPA Handler ID: CAC003091084</i>			
SILVIA GARBIN	830 LEES AVENUE LONG BEACH CA 90815	SSW	0.03 / 156.18	<a href="#">58</a>
	<i>EPA Handler ID: CAC003164980</i>			
MARK NAITHAUS	6890 E LEES WAY LONG BEACH CA 90815-5011	S	0.09 / 457.85	<a href="#">65</a>
	<i>EPA Handler ID: CAC003038990</i>			
RON HODGE	6521 E DE LEON ST LONG BEACH CA 90815-4628	WNW	0.14 / 750.11	<a href="#">69</a>
	<i>EPA Handler ID: CAC003041583</i>			
EVAN BADER	144 HARVARD LN SEAL BEACH CA 90740-2509	SE	0.18 / 931.62	<a href="#">70</a>
	<i>EPA Handler ID: CAC003026971</i>			
LISA WICKER	6510 E DE LEON ST LONG BEACH CA 90815	WNW	0.15 / 805.70	<a href="#">72</a>
	<i>EPA Handler ID: CAC002984551</i>			

<b>Site</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Map Key</b>
BEN MORGAN	6734 E DRISCOLL ST LONG BEACH CA 90815	NNW	0.08 / 410.87	<a href="#"><u>73</u></a>
	<i>EPA Handler ID: CAC003114388</i>			
KATHLEEN TOBIN	1602 PATTIZ AVE LONG BEACH CA 90815	NNE	0.19 / 1,024.95	<a href="#"><u>76</u></a>
	<i>EPA Handler ID: CAC003167012</i>			
ROBERT ARBOIT	133 HARVARD LANE SEAL BEACH CA 90740	SE	0.14 / 720.63	<a href="#"><u>83</u></a>
	<i>EPA Handler ID: CAC002977190</i>			
CHERI SWATEK	6921 E SEPTIMO ST LONG BEACH CA 90815-5021	S	0.04 / 216.84	<a href="#"><u>85</u></a>
	<i>EPA Handler ID: CAC003062443</i>			
LACDPW ALAMITOS YARD	881 IROQUOIS AVE LONG BEACH CA 90815-0000	WSW	0.17 / 898.10	<a href="#"><u>94</u></a>
	<i>EPA Handler ID: CAL000200686</i>			
KRISTIN & JUSTIN PYUN	1632 PETALUMA AVE LONG BEACH CA 90815	N	0.06 / 291.34	<a href="#"><u>95</u></a>
	<i>EPA Handler ID: CAC003193169</i>			
DAVID SAZEGAR	6810 SEPTIMO AVE LONG BEACH CA 90815	SSW	0.02 / 116.29	<a href="#"><u>96</u></a>
	<i>EPA Handler ID: CAC002981934</i>			
SHELDON GEBB	6450 EAST MANTOVA STREET LONG BEACH CA 90815	WNW	0.22 / 1,186.46	<a href="#"><u>100</u></a>
	<i>EPA Handler ID: CAC003160220</i>			
KUBIEK, PAUL	121 STANFORD LANE SEAL BEACH CA 90740	SE	0.15 / 792.56	<a href="#"><u>101</u></a>
	<i>EPA Handler ID: CAC002982019</i>			
FRANCIS BETTIS	7011 E EL CEDRAL ST LONG BEACH CA 90815	NNE	0.18 / 952.64	<a href="#"><u>104</u></a>
	<i>EPA Handler ID: CAC003139802</i>			
FRANCIS BETTIS	7011 E EL CEDRAL STREET LONG BEACH CA 90815	NNE	0.18 / 952.64	<a href="#"><u>104</u></a>
	<i>EPA Handler ID: CAC003106031</i>			
STEVE JONES	108 HARVARD LN SEAL BEACH CA 90740-2509	SE	0.10 / 526.86	<a href="#"><u>106</u></a>
	<i>EPA Handler ID: CAC003057488</i>			

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
FEDERICO & NANCY JIMENEZ	117 YALE LANE SEAL BEACH CA 90740  <i>EPA Handler ID: CAC003051585</i>	SE	0.20 / 1,047.36	<a href="#">107</a>
CHRISTY HOOVER	112 STANFORDLN SEAL BEACH CA 90740  <i>EPA Handler ID: CAC002981167</i>	SE	0.16 / 858.47	<a href="#">109</a>
DAN MCDONALD	6958 EAST EL CEDRAL ST LONG BEACH CA 90815  <i>EPA Handler ID: CAC003135744</i>	NNE	0.12 / 611.83	<a href="#">114</a>
MICHELLE THOMPSON	6441 E BIXBY HILL RD LONG BEACH CA 90815-4708  <i>EPA Handler ID: CAC003029277</i>	WSW	0.19 / 987.76	<a href="#">117</a>
CHAVEZ, MARK	6291 E. DRISCOLL STREET LONG BEACH CA 90815  <i>EPA Handler ID: CAC002976661</i>	NW	0.24 / 1,264.60	<a href="#">120</a>
THOMAS J KAMPWIRTH TR	149 COLLEGE PARK DR SEAL BEACH CA 90740  <i>EPA Handler ID: CAC003192748</i>	SE	0.18 / 951.16	<a href="#">121</a>
GABRIEL COHEN	1735 VUELTA GRANDE AVE LONG BEACH CA 90815  <i>EPA Handler ID: CAC003074639</i>	NNW	0.19 / 989.63	<a href="#">131</a>
NEW CINGULAR WIRELESS PCS LLC	698 STUDEBAKER RD LONG BEACH CA 90803  <i>EPA Handler ID: CAL000454395</i>	SSW	0.15 / 796.77	<a href="#">135</a>
TRACE EDWARDS	1833 NIPOMO AVE LONG BEACH CA 90815  <i>EPA Handler ID: CAC003069451</i>	NNW	0.16 / 860.62	<a href="#">138</a>
ALBERT COMIA	13020 OAK HILLS DR UNIT 225-F SEAL BEACH CA 90740-3288  <i>EPA Handler ID: CAC003030141</i>	SE	0.16 / 868.38	<a href="#">139</a>
NEIL ARONOW	13020 OAK HILLS DR UNIT 225G SEAL BEACH CA 90740  <i>EPA Handler ID: CAC003139068</i>	SE	0.16 / 868.38	<a href="#">139</a>
CAROL COX	1060 BROOKLINE RD #212A SEAL BEACH CA 90740	SSE	0.10 / 551.11	<a href="#">141</a>

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	<i>EPA Handler ID: CAC003166833</i>			
TOM DUCKWORTH	1123 NORTHWOOD 236H SEAL BEACH CA 90740	SE	0.23 / 1,222.41	<a href="#">151</a>
	<i>EPA Handler ID: CAC002988008</i>			

### **ERNS - Emergency Response Notification System**

A search of the ERNS database, dated Aug 28, 2022 has found that there are 2 ERNS site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	6702 EAST MANTOVA STREET LONG BEACH CA	NW	0.04 / 193.64	<a href="#">26</a>
	<i>NRC Report No: 549122</i>			
	6463 BIXBY TERRACE DR LONG BEACH CA	SW	0.16 / 820.56	<a href="#">130</a>
	<i>NRC Report No: 1035531</i>			

### **State**

#### **ENVIROSTOR - EnviroStor Database**

A search of the ENVIROSTOR database, dated Oct 17, 2022 has found that there are 4 ENVIROSTOR site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HILL MIDDLE SCHOOL GYMNASIUM PROJECT	1100 IROQUOIS AVENUE LONG BEACH CA 90815	WSW	0.07 / 357.72	<a href="#">50</a>
	<i>Estor/EPA ID   Cleanup Status: 60002322   NO FURTHER ACTION AS OF 1/19/2018</i>			
EUGENE TINCHER SCHOOL SITE	1701 PETALUMA AVENUE LONG BEACH CA 90815	NNW	0.08 / 419.90	<a href="#">105</a>
	<i>Estor/EPA ID   Cleanup Status: 19820023   NO ACTION REQUIRED AS OF 2/11/2000</i>			
EUGENE TINCHER SCHOOL SITE	1701 PETALUMA AVENUE LONG BEACH CA 90815	NNW	0.11 / 583.79	<a href="#">110</a>
	<i>Estor/EPA ID   Cleanup Status: 19820122   NO ACTION REQUIRED AS OF 2/11/2000</i>			
EPTC ALAMITOS PARCEL 3-4	692 NORTH STUDEBAKER ROAD LONG BEACH CA 90803	SSW	0.11 / 581.13	<a href="#">129</a>
	<i>Estor/EPA ID   Cleanup Status: 19130113   INACTIVE - ACTION REQUIRED AS OF 9/9/2020</i>			

#### **LUST - Leaking Underground Fuel Tank Reports**

A search of the LUST database, dated Jul 25, 2022 has found that there are 2 LUST site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
RETIREMENT HOUSING FOUNDATION	911 STUDEBAKER ROAD LONG BEACH CA 90815	W	0.01 / 35.13	<a href="#">23</a>
<i>Global ID   Status   Status Date: T0603795885   COMPLETED - CASE CLOSED   12/11/2013</i>				
LA COUNTY PUBLIC WORKS - ALAMITOS YARD	881 IROQUOIS ST. LONG BEACH CA 90815	WSW	0.18 / 934.50	<a href="#">89</a>
<i>Global ID   Status   Status Date: T0603727690   COMPLETED - CASE CLOSED   8/23/2006</i>				

### **HHSS - Historical Hazardous Substance Storage Information Database**

A search of the HHSS database, dated Aug 27, 2015 has found that there are 3 HHSS site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SERVICE STATION 4849	1190 STUDEBAKER RD LONG BEACH CA 90815	W	0.01 / 32.09	<a href="#">12</a>
LOS ALTOS PUMP PLANT	6560 ANAHEIM RD. LONG BEACH CA 90815	W	0.12 / 615.47	<a href="#">56</a>
ALAMITOS YARD	881 IROQUOIS AVENUE LONG BEACH CA 90815	WSW	0.17 / 898.10	<a href="#">94</a>

### **UST SWEEPS - Statewide Environmental Evaluation and Planning System**

A search of the UST SWEEPS database, dated Oct 1, 1994 has found that there are 3 UST SWEEPS site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SERVICE STATION 4849	1190 STUDEBAKER RD LONG BEACH CA	W	0.01 / 32.09	<a href="#">12</a>
<i>C C   Status: A19-060-17444   ACTIVE Tank ID: 000003, 000001, 000002</i>				
LOS ALTOS PUMPING PLANT	6560 ANAHEIM RD LONG BEACH CA	W	0.12 / 615.47	<a href="#">56</a>
<i>C C   Status: A19-060-34054   ACTIVE Tank ID: 000001</i>				
ALAMITOS YARD	881 IROQUOIS AVE LONG BEACH CA	WSW	0.17 / 898.10	<a href="#">94</a>
<i>C C   Status: A19-060-34055   ACTIVE Tank ID: 000001</i>				

### **DELISTED TNK - Delisted Storage Tanks**

A search of the DELISTED TNK database, dated Oct 6, 2022 has found that there are 1 DELISTED TNK site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LOS ALTOS PUMPING PLANT	6560 ANAHEIM ROAD Long Beach CA 90815	W	0.12 / 615.47	<a href="#">56</a>

### **HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary**

A search of the HIST TANK database, dated May 27, 1988 has found that there are 3 HIST TANK site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SERVICE STATION 4849	1190 STUDEBAKER RD LONG BEACH CA	W	0.01 / 32.09	<a href="#">12</a>
LOS ALTOS PUMP PLANT	6560 ANAHEIM RD. LONG BEACH CA	W	0.20 / 1,053.09	<a href="#">79</a>
ALAMITOS YARD	881 IROQUOIS AVENUE LONG BEACH CA	WSW	0.17 / 898.10	<a href="#">94</a>

### **VCP - Voluntary Cleanup Program**

A search of the VCP database, dated Oct 17, 2022 has found that there are 1 VCP site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
EPTC ALAMITOS PARCEL 3-4	692 NORTH STUDEBAKER ROAD LONG BEACH CA 90803	SSW	0.11 / 581.13	<a href="#">129</a>

*Estor/EPA ID | Cleanup Status: 19130113 | INACTIVE - ACTION REQUIRED AS OF 9/9/2020*

### **County**

#### **HMS LA - Los Angeles County - HMS List**

A search of the HMS LA database, dated Nov 5, 2020 has found that there are 2 HMS LA site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	6560 E ANAHEIM RD LONG BEACH CA 90815	W	0.03 / 172.83	<a href="#">30</a>
	881 N IROQUOIS ST LONG BEACH CA 90815	WSW	0.19 / 994.31	<a href="#">98</a>

#### **UST LONGB - Los Angeles County - Long Beach UST List**

A search of the UST LONGB database, dated Jul 9, 2018 has found that there are 2 UST LONGB site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LA County Public Works	6560 E Anaheim RD Long Beach CA	W	0.03 / 172.83	<a href="#">30</a>
LA County Public Works	6560 E Anaheim RD Long Beach CA	W	0.03 / 172.83	<a href="#">30</a>

## **Non Standard**

### **Federal**

#### **FINDS/FRS - Facility Registry Service/Facility Index**

A search of the FINDS/FRS database, dated Nov 2, 2020 has found that there are 41 FINDS/FRS site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WILLIAM WITT	6841 E MANTOVA ST LONG BEACH CA 90815-4916	NNE	0.20 / 1,067.32	<a href="#">5</a>
	<i>Registry ID: 110070806577</i>			
BICH DANG	6902 E DE LEON ST LONG BEACH CA 90815	NNE	0.20 / 1,074.09	<a href="#">8</a>
	<i>Registry ID: 110070586477</i>			
ROBERT ANDERSON	872 N KAREN WAY LONG BEACH CA 90815	S	0.20 / 1,048.98	<a href="#">9</a>
	<i>Registry ID: 110070586181</i>			
ROSA TRUJILLO	6835 E DE LEON ST LONG BEACH CA 90815-4908	NNE	0.18 / 925.38	<a href="#">10</a>
	<i>Registry ID: 110070806129</i>			
ELNA ANDERSON	860 STEVELY AVE LONG BEACH CA 90815	SSE	0.24 / 1,259.53	<a href="#">11</a>
	<i>Registry ID: 110070651818</i>			
7-ELEVEN INC. STORE #27017	1190 N STUDEBAKER RD LONG BEACH CA 90815	W	0.00 / 24.43	<a href="#">14</a>
	<i>Registry ID: 110064933425</i>			
SUSAN MURRAY	6718 EAST MANTOVA ST. LONG BEACH CA 90815	NW	0.07 / 347.29	<a href="#">15</a>
	<i>Registry ID: 110070437103</i>			
VICTORIA BILLIT	6911 EAST BACARRO STREET LONG BEACH CA 90815-4806	NNE	0.16 / 861.02	<a href="#">22</a>
	<i>Registry ID: 110070406832</i>			

<b>Site</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Map Key</b>
RETIREMENT HOUSING FOUNDATION	911 STUDEBAKER ROAD LONG BEACH CA 90815	W	0.01 / 35.13	<a href="#">23</a>
	<b>Registry ID:</b> 110065304744			
CARLEN ENTERPRISES	1000 N. STUDEBAKER RD. LONG BEACH CA 90815-	WSW	0.00 / 20.06	<a href="#">24</a>
	<b>Registry ID:</b> 110022300794			
CHRIS SULSONA	845 STEVELY AVE LONG BEACH CA 90815	S	0.20 / 1,066.69	<a href="#">29</a>
	<b>Registry ID:</b> 110070586556			
LYNN GAY	845 ROXANNE AVENUE LONG BEACH CA 90815	SSW	0.13 / 678.37	<a href="#">31</a>
	<b>Registry ID:</b> 110070512892			
RAQUEL BLUMENFIELD	6880 E ROXANNE WAY LONG BEACH CA 90815	S	0.18 / 931.36	<a href="#">40</a>
	<b>Registry ID:</b> 110070726804			
MONICA OR RAQUEL BLUMENFIELD	6880 E ROXANNE WAY LONG BEACH CA 90815	S	0.18 / 931.36	<a href="#">40</a>
	<b>Registry ID:</b> 110070807526			
DEBORAH DELFS	6920 E DRISCOLL ST LONG BEACH CA 90815-4809	NNE	0.17 / 918.82	<a href="#">43</a>
	<b>Registry ID:</b> 110070661070			
LA COUNTY, LOS ALTOS PP	6560 ANAHEIM RD LONG BEACH CA 90815-0000	W	0.12 / 615.47	<a href="#">56</a>
	<b>Registry ID:</b> 110070451538			
LORNA ROLAND	830 LEES AVE LONG BEACH CA 90815	SSW	0.03 / 156.18	<a href="#">58</a>
	<b>Registry ID:</b> 110011584918			
MARK NAITHAUS	6890 E LEES WAY LONG BEACH CA 90815-5011	S	0.09 / 457.85	<a href="#">65</a>
	<b>Registry ID:</b> 110070653281			
RON HODGE	6521 E DE LEON ST LONG BEACH CA 90815-4628	WNW	0.14 / 750.11	<a href="#">69</a>
	<b>Registry ID:</b> 110070650949			
EVAN BADER	144 HARVARD LN SEAL BEACH CA 90740-2509	SE	0.18 / 931.62	<a href="#">70</a>
	<b>Registry ID:</b> 110070651846			

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LISA WICKER	6510 E DE LEON ST LONG BEACH CA 90815	WNW	0.15 / 805.70	<a href="#">72</a>
	<b>Registry ID:</b> 110070406836			
LBUSD-SATO HIGH SCHOOL (PREVIOUSLY HILL)	1100 IROQUIOS AVENUE LONG BEACH CA 90815-4649	W	0.20 / 1,035.50	<a href="#">77</a>
	<b>Registry ID:</b> 110002699615			
ROBERT ARBOIT	133 HARVARD LANE SEAL BEACH CA 90740	SE	0.14 / 720.63	<a href="#">83</a>
	<b>Registry ID:</b> 110070465779			
CHERI SWATEK	6921 E SEPTIMO ST LONG BEACH CA 90815-5021	S	0.04 / 216.84	<a href="#">85</a>
	<b>Registry ID:</b> 110070803562			
LA COUNTY PUBLIC WORKS - ALAMITOS YARD	881 IROQUOIS ST. LONG BEACH CA 90815	WSW	0.18 / 934.50	<a href="#">89</a>
	<b>Registry ID:</b> 110066812729			
LACDPW ALAMITOS YARD	881 IROQUOIS AVE LONG BEACH CA 90815-0000	WSW	0.17 / 898.10	<a href="#">94</a>
	<b>Registry ID:</b> 110070447728			
DAVID SAZEGAR	6810 SEPTIMO AVE LONG BEACH CA 90815	SSW	0.02 / 116.29	<a href="#">96</a>
	<b>Registry ID:</b> 110070437656			
KUBIEK, PAUL	121 STANFORD LANE SEAL BEACH CA 90740	SE	0.15 / 792.56	<a href="#">101</a>
	<b>Registry ID:</b> 110070438262			
STEVE JONES	108 HARVARD LN SEAL BEACH CA 90740-2509	SE	0.10 / 526.86	<a href="#">106</a>
	<b>Registry ID:</b> 110070804861			
FEDERICO & NANCY JIMENEZ	117 YALE LANE SEAL BEACH CA 90740	SE	0.20 / 1,047.36	<a href="#">107</a>
	<b>Registry ID:</b> 110070718028			
LONG BEACH USD-TINCHER ELEMENTARY	1701 PETALUMA AVENUE LONG BEACH CA 90815-4855	NNW	0.13 / 669.51	<a href="#">108</a>
	<b>Registry ID:</b> 110002700239			
CHRISTY HOOVER	112 STANFORDLN SEAL BEACH CA 90740	SE	0.16 / 858.47	<a href="#">109</a>

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	<i>Registry ID: 110070438021</i>			
MICHELLE THOMPSON	6441 E BIXBY HILL RD LONG BEACH CA 90815-4708	WSW	0.19 / 987.76	<a href="#">117</a>
	<i>Registry ID: 110070655220</i>			
CHAVEZ, MARK	6291 E. DRISCOLL STREET LONG BEACH CA 90815	NW	0.24 / 1,264.60	<a href="#">120</a>
	<i>Registry ID: 110070465271</i>			
LOS ALAMITOS PRESSURE STATION	HWY. 22 & STUDEBAKER LONG BEACH CA 90802	S	0.07 / 346.73	<a href="#">127</a>
	<i>Registry ID: 110065884902</i>			
VETERANS HEALTH CARE SYSTEM LONG BEACH	6901 EAST 7TH STREET LONG BEACH CA 90815	SW	0.14 / 753.40	<a href="#">132</a>
	<i>Registry ID: 110042340375</i>			
STEPHANIE ROHR	1040 FOXBURG #21G SEAL BEACH CA 90740	SE	0.07 / 351.80	<a href="#">134</a>
	<i>Registry ID: 110070462591</i>			
NEW CINGULAR WIRELESS PCS LLC	698 STUDEBAKER RD LONG BEACH CA 90803	SSW	0.15 / 796.77	<a href="#">135</a>
	<i>Registry ID: 110070797235</i>			
ALBERT COMIA	13020 OAK HILLS DR SEAL BEACH CA 90740-3288	SE	0.16 / 868.38	<a href="#">139</a>
	<i>Registry ID: 110070655260</i>			
DONNA WENRICH	13061 OAK HILL DRIVE #221-L SEAL BEACH CA 90740	SE	0.18 / 967.55	<a href="#">143</a>
	<i>Registry ID: 110070439312</i>			
TOM DUCKWORTH	1123 NORTHWOOD 236H SEAL BEACH CA 90740	SE	0.23 / 1,225.06	<a href="#">153</a>
	<i>Registry ID: 110070441615</i>			

### **ICIS - Integrated Compliance Information System (ICIS)**

A search of the ICIS database, dated Oct 15, 2022 has found that there are 1 ICIS site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
VETERANS HEALTH CARE SYSTEM LONG BEACH	6901 EAST 7TH STREET LONG BEACH CA 90815	SW	0.14 / 753.40	<a href="#">132</a>
	<i>Registry ID: 110042340375</i>			

## State

### SCH - School Property Evaluation Program Sites

A search of the SCH database, dated Oct 17, 2022 has found that there are 3 SCH site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HILL MIDDLE SCHOOL GYMNASIUM PROJECT	1100 IROQUOIS AVENUE LONG BEACH CA 90815	WSW	0.07 / 357.72	<a href="#">50</a>
<i>Estor/EPA ID   Cleanup Status: 60002322   NO FURTHER ACTION AS OF 1/19/2018</i>				
EUGENE TINCHER SCHOOL SITE	1701 PETALUMA AVENUE LONG BEACH CA 90815	NNW	0.08 / 419.90	<a href="#">105</a>
<i>Estor/EPA ID   Cleanup Status: 19820023   NO ACTION REQUIRED AS OF 2/11/2000</i>				
EUGENE TINCHER SCHOOL SITE	1701 PETALUMA AVENUE LONG BEACH CA 90815	NNW	0.11 / 583.79	<a href="#">110</a>
<i>Estor/EPA ID   Cleanup Status: 19820122   NO ACTION REQUIRED AS OF 2/11/2000</i>				

### CHMIRS - California Hazardous Material Incident Report System (CHMIRS)

A search of the CHMIRS database, dated Aug 15, 2022 has found that there are 7 CHMIRS site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Long Beach Fire	Studebaker Road and Anaheim Road Long Beach CA	W	0.00 / 18.01	<a href="#">20</a>
<i>Control No   Notified Date: 09-8465  </i>				
Long Beach Water Dept	6491 Bixby Hill Rd Long Beach CA 90815	SW	0.10 / 530.18	<a href="#">82</a>
<i>Control No   Notified Date: 11-1172  </i>				
Long Beach Fire Dept	1501 Josie Ave Long Beach CA	NW	0.22 / 1,173.11	<a href="#">112</a>
<i>Control No   Notified Date: 3/23/200203:29:39 PM</i>				
So. CA Edison	6485 Surrey Long Beach CA 91770	SW	0.15 / 807.93	<a href="#">123</a>
<i>Control No   Notified Date: 2/11/200301:14:15 PM</i>				
NRC	6463 Bixby Terrace Dr. Long Beach CA	SW	0.16 / 820.56	<a href="#">130</a>
<i>Control No   Notified Date: 13-0258  </i>				
City of Long Beach Health Dept	Atherton at Vuelta Grande Long Beach CA	NNW	0.18 / 967.23	<a href="#">133</a>
<i>Control No   Notified Date: 12/15/199806:51:48 PM</i>				

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Long Beach Fire	6450 Bixby Terrace Drive Long Beach CA	SW	0.23 / 1,230.37	<a href="#">136</a>

**Control No | Notified Date:** 09-5247 |

### **HIST CHMIRS - Historical California Hazardous Material Incident Report System (CHMIRS)**

A search of the HIST CHMIRS database, dated Jan 1, 1993 has found that there are 1 HIST CHMIRS site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	1080 BROOKLINE RD SEAL BEACH CA	SSE	0.10 / 549.82	<a href="#">140</a>

### **HAZNET - Handlers from Hazardous Waste Manifest Data**

A search of the HAZNET database, dated Oct 24, 2016 has found that there are 19 HAZNET site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LOUIS MOSKOWITC	6811 E 10TH ST LONG BEACH CA 90815	WSW	0.11 / 580.19	<a href="#">4</a>
NATE LEMON	900 STEVELY AVE LONG BEACH CA 908154941	SSE	0.24 / 1,248.14	<a href="#">6</a>
NOELLE MAGUIRE	6736 E EL JARDIN ST LONG BEACH CA 908154911	WNW	0.07 / 381.58	<a href="#">7</a>
SHAWN SCHWARZ	6920 E Bacarro St Long Beach CA 908154805	NNE	0.18 / 971.62	<a href="#">17</a>
PERKOWITZ & RUTH ARCHITECTS, INC.	911 STUDEBAKER RD LONG BEACH CA 908150000	W	0.01 / 35.13	<a href="#">23</a>
MPR INC	911 STUDEBAKER LONG BEACH CA 908150000	W	0.02 / 120.40	<a href="#">27</a>
L A COUNTY PUBLIC WORKS/FLOOD MAINT.	6560 ANAHEIM RD LONG BEACH CA 000000000	W	0.12 / 615.47	<a href="#">56</a>
MARY AND WAYNE JOHNSON	6541 E MANTOVA ST LONG BEACH CA 908154661	WNW	0.11 / 575.91	<a href="#">59</a>
1X HILL JUNIOR HIGH SCHOOL	1100 IROQUOIS AVE. LONG BEACH CA 913010000	W	0.20 / 1,035.50	<a href="#">77</a>

<b>Site</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Map Key</b>
HOLLY DAVIS	787 SALIDA AVE LONG BEACH CA 908155017	SSW	0.05 / 263.88	<a href="#">78</a>
1X WACHI, FRANCIS	6530 ESPANITA ST LONG BEACH CA 908154635	NW	0.17 / 900.00	<a href="#">91</a>
DEBBIE TANKERSLEY	6916 E EL ROBLE ST LONG BEACH CA 908154815	N	0.06 / 306.85	<a href="#">99</a>
TORRES, ANGELICA	7032 E. EL CEDRAL ST. LONG BEACH CA 90815	NNE	0.22 / 1,147.28	<a href="#">103</a>
BERNADINE KUSSMAN	6431 E BIXBY HILL RD. LONG BEACH CA 90815	WSW	0.20 / 1,057.87	<a href="#">118</a>
PHIL MORRILL	156 COLLEGE PARK DR SEAL BEACH CA 90740	SE	0.20 / 1,046.24	<a href="#">122</a>
1X SEAGER, PAM	6400 BIXBY HILL RD LONG BEACH CA 908150000	WSW	0.22 / 1,172.00	<a href="#">124</a>
KEN STUTZMAN	1830 STEVELY AVE LONG BEACH CA 90815	NNE	0.25 / 1,297.41	<a href="#">137</a>
RYAN MCMULLAN	1903 VUELTA GRANDE AVE LONG BEACH CA 90815	NNW	0.24 / 1,266.87	<a href="#">146</a>
LEISURE WORLD, INC	1280 SCIOTO RD SEAL BEACH CA 90790	SE	0.23 / 1,202.46	<a href="#">147</a>

### **HAZ GEN - Generators from Hazardous Waste Manifest Data**

A search of the HAZ GEN database, dated Dec 31, 2017 has found that there are 75 HAZ GEN site(s) within approximately 0.250 miles of the project property.

<b>Site</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Map Key</b>
COLUMBIA MEDICAL BUILDING PHARMACY	6880 E 10TH ST LONG BEACH CA 908154930	S	0.19 / 977.48	<a href="#">1</a>
BEAUCHAMP, DONALD	6840 E. 10TH STREET LONG BEACH CA 90815	SW	0.14 / 750.75	<a href="#">2</a>
JACQUELINE BEAUCHAMP	6840 E 10TH ST LONG BEACH CA 90815	SW	0.14 / 750.75	<a href="#">2</a>

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
GLYNN, PETER & EMILY	6810 E 11TH ST LONG BEACH CA 908154934	W	0.11 / 564.87	<a href="#"><u>3</u></a>
NATE LEMON	900 STEVELY AVE LONG BEACH CA 908154941	SSE	0.24 / 1,248.14	<a href="#"><u>6</u></a>
MARIE BENSON	881 KALLIN AVE. LONG BEACH CA 90815	SW	0.08 / 421.70	<a href="#"><u>13</u></a>
JENNIFER JONES	876 KALLIN LONG BEACH CA 90815	SW	0.09 / 452.12	<a href="#"><u>16</u></a>
KEVIN HUGHES	864 ROXANNE AVE LONG BEACH CA 908155013	SSW	0.14 / 723.79	<a href="#"><u>18</u></a>
KATHRYN & STEVEN BRADLEY	6935 E BACARRO ST LONG BEACH CA 908154806	NNE	0.21 / 1,083.56	<a href="#"><u>21</u></a>
S S MECHANICAL INC	6630 EAST ANAHEIM RD LONG BEACH CA 90815	W	0.02 / 85.80	<a href="#"><u>25</u></a>
L A COUNTY PUBLIC WORKS/FLOOD MAINT.	6560 E ANAHEIM RD LONG BEACH CA 908150000	W	0.03 / 172.83	<a href="#"><u>30</u></a>
JEAN TANAKA	836 STEVELY AVE LONG BEACH CA 90815	SSE	0.21 / 1,114.81	<a href="#"><u>32</u></a>
FERGUSON, EILEEN	1283 N STUDEBAKER RD LONG BEACH CA 908154831	NW	0.01 / 31.28	<a href="#"><u>34</u></a>
ROBERT BRIESTER	6871 E ROXANNE WAY LONG BEACH CA 908155016	S	0.17 / 882.85	<a href="#"><u>36</u></a>
JEAN BAUER	6870 E ROXANNE WAY LONG BEACH CA 908155015	S	0.17 / 873.52	<a href="#"><u>38</u></a>
BATES CARL & CATHY 44- 100404	824 STEVELY AVE LONG BEACH CA 90816	S	0.19 / 980.70	<a href="#"><u>39</u></a>
GRUNEWALD, CARMEN	6825 E. ESPANITA ST. LONG BEACH CA 90815	N	0.07 / 360.52	<a href="#"><u>41</u></a>

<b>Site</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Map Key</b>
HUE DANG	833 KALLIN AVE LONG BEACH CA 90815	SSW	0.08 / 414.20	<a href="#">42</a>
DAVID YZIAS	6946 E DRISCOLL AVE LONG BEACH CA 90815	NE	0.22 / 1,165.14	<a href="#">46</a>
LINDA DAVIS	850 LEES AVE LONG BEACH CA 90815	SW	0.03 / 160.52	<a href="#">47</a>
JONATHAN BRIMLEY	6947 E DRISCOLL ST LONG BEACH CA 908154810	NE	0.22 / 1,160.87	<a href="#">48</a>
KATHERINE MALONE	846 LEES AVEMIE LONG BEACH CA 90815	SW	0.03 / 160.34	<a href="#">49</a>
RUSINAS, PATRICIA	6817 E DRISCOLL ST LONG BEACH CA 908154808	N	0.06 / 300.31	<a href="#">51</a>
BRYAN RUSSEL	6841 E KALLIN WAY LONG BEACH CA 908155007	S	0.11 / 592.73	<a href="#">52</a>
ANDREA GOESCH	6860 E KALLIN WAY LONG BEACH CA 90815	S	0.13 / 704.77	<a href="#">53</a>
ALONSO DELGADO	834 LEES AVENUE LONG BEACH CA 90815	SSW	0.03 / 160.18	<a href="#">54</a>
LA COUNTY, LOS ALTOS PP	6560 ANAHEIM RD LONG BEACH CA 908150000	W	0.12 / 615.47	<a href="#">56</a>
WILLIAM ELGIN	6701 BACARRO ST LONG BEACH CA 90815	NNW	0.04 / 219.01	<a href="#">57</a>
DAVE GARBIN	830 LEES AVE LONG BEACH CA 908155010	SSW	0.03 / 156.18	<a href="#">58</a>
DIANA FICKLIN	6957 E GOLDCREST ST LONG BEACH CA 90815	NNE	0.13 / 705.67	<a href="#">60</a>
VALERIE EDEN BEACHLEY	1414 VUELTA GRANDE AVE LONG BEACH CA 90815	NW	0.07 / 366.36	<a href="#">61</a>

<b>Site</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Map Key</b>
QUINALTY TERRY 44-85145	821 LEES AVENUE LONG BEACH CA 90815	SSW	0.03 / 140.94	<a href="#">62</a>
L.A.COUNTY PUBLIC WORKS FLOOD MAINT.	6560 ANAHEIM LONG BEACH CA 908150000	SW	0.04 / 201.92	<a href="#">63</a>
JOHN HAUCK	161 HARVARD LN SEAL BEACH CA 907402508	SE	0.21 / 1,110.03	<a href="#">64</a>
CASSIE HALVORSON	6710 E ESPANITA ST LONG BEACH CA 908154851	NNW	0.08 / 430.13	<a href="#">66</a>
SARAH PETERSON	6710 E ESPANITA ST LONG BEACH CA 908154851	NNW	0.08 / 430.13	<a href="#">66</a>
REED, PATRICIA	153 HARVARD LN SEAL BEACH CA 907402508	SE	0.19 / 1,010.34	<a href="#">67</a>
JOHN THOMETZ	6520 E DELEON ST. LONG BEACH CA 90815	WNW	0.14 / 745.15	<a href="#">68</a>
FRENCH, LAURA	145 HARVARD LN SEAL BEACH CA 907402508	SE	0.17 / 890.37	<a href="#">71</a>
ELINORE RICHARDSON	153 STANFORD LN SEAL BEACH CA 907402533	ESE	0.23 / 1,194.93	<a href="#">74</a>
RAYMON GILBERT	1503 VUELTA GRANDE AVE LONG BEACH CA 90815	NW	0.11 / 590.69	<a href="#">75</a>
LBUSD-HILL MIDDLE SCHOOL	1100 IROQUIOS AVENUE LONG BEACH CA 908150000	W	0.20 / 1,035.50	<a href="#">77</a>
JANET OTTO	6981 E EL ROBLE ST LONG BEACH CA 90815	NNE	0.15 / 798.21	<a href="#">80</a>
KRISTEN NEWMAN	6471 E EL JARDIN STREET LONG BEACH CA 90815	W	0.19 / 1,026.75	<a href="#">81</a>
MESSINGER, MARK	141 STANFORD LN SEAL BEACH CA 907402533	SE	0.20 / 1,047.47	<a href="#">84</a>

<b>Site</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Map Key</b>
MELVIN KANTZ	6911 EAST SEPTIMO STREET LONG BEACH CA 90815	S	0.04 / 207.58	<a href="#">86</a>
KEN GENTILE	6890 E. SEPTIMO ST. LONG BEACH CA 90815	S	0.04 / 189.66	<a href="#">87</a>
MANUEL LOPEZ	6860 E SEPTIMO ST LONG BEACH CA 908155018	S	0.04 / 187.85	<a href="#">88</a>
HAROLD SEIFER	6471 E MANTOVA ST LONG BEACH CA 90815	WNW	0.20 / 1,066.87	<a href="#">90</a>
JAMIL & SIHAM BUDEIRI	871 N RANCHO DR LONG BEACH CA 90815	WSW	0.13 / 712.64	<a href="#">92</a>
ANITA PATTEN	1411 JOSIE AVENUE LONG BEACH CA 90815	WNW	0.19 / 1,014.89	<a href="#">93</a>
LACDPW ALAMITOS YARD	881 IROQUOIS AVE LONG BEACH CA 908150000	WSW	0.17 / 898.10	<a href="#">94</a>
MATTHEW ROPPO	125 STANFORD LN SEAL BEACH CA 907402533	SE	0.16 / 857.16	<a href="#">97</a>
BLEEKER GRAHAM	113 HARVARD LN SEAL BEACH CA 907402508	SE	0.10 / 541.47	<a href="#">102</a>
LBUSD-TINCHER ELEMENTARY	1701 PETALUMA AVE LONG BEACH CA 908154855	NNW	0.13 / 669.51	<a href="#">108</a>
LONG BCH USD/TINCHER ELEM SCH	1701 PETALUMA AVE LONG BEACH CA 908150000	NNW	0.13 / 669.51	<a href="#">108</a>
ROD JUNE	113 YALE LN SEAL BEACH CA 907402521	SE	0.19 / 1,022.04	<a href="#">111</a>
DAN MCDONALD	6958 E. EL CEDRAL STREET LONG BEACH CA 90815	NNE	0.12 / 610.94	<a href="#">113</a>
FOSTER, MERLE	6510 E DRISCOLL ST LONG BEACH CA 908154630	NW	0.22 / 1,147.29	<a href="#">115</a>

<b>Site</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Map Key</b>
CARRIE MARINOW	108 YALE LN SEAL BEACH CA 90740	SE	0.20 / 1,044.78	<a href="#">116</a>
VANWEY, STEVEN	116 COLLEGE PARK DR SEAL BEACH CA 907402502	SE	0.08 / 424.54	<a href="#">119</a>
GANI VOHRA	6484 E SURREY DR LONG BEACH CA 90815	SW	0.15 / 769.42	<a href="#">125</a>
DON FRIZZELL	6485 E SURREY DR LONG BEACH CA 908154744	SW	0.15 / 795.56	<a href="#">126</a>
MARK SUDOCK	404 PURDUE CIR SEAL BEACH CA 907402516	SE	0.12 / 640.05	<a href="#">128</a>
BILL HAMILTON	1080 BROOKLINE RD APT 213A SEAL BEACH CA 907403271	SSE	0.10 / 549.82	<a href="#">140</a>
STEPHEN J LOPEZ	1100 BROOKLINE RD UNIT 222-A SEAL BEACH CA 90740	SSE	0.11 / 604.21	<a href="#">142</a>
LUKA SIDARONS	13081 OAK HILLS DRIVE #223F SEAL BEACH CA 90740	SE	0.18 / 968.44	<a href="#">144</a>
LYNNE RETMIER	13140 NASSAU DR APT 214B SEAL BEACH CA 907403227	SSE	0.13 / 702.19	<a href="#">145</a>
SARAH & RYAN MCMULLAN	1903 VUELTA GRANDE AVE LONG BEACH CA 90815	NNW	0.24 / 1,266.87	<a href="#">146</a>
GENNI PROGLIO	6931 E FAIRBROOK ST LONG BEACH CA 908153602	N	0.22 / 1,168.50	<a href="#">148</a>
DORIS WEINERT	13121 OAKHILLS RD UNIT 233-F SEAL BEACH CA 90740	SE	0.23 / 1,238.11	<a href="#">149</a>
JIMMIE AKARASRIWON	13101 OAK HILLS DR APT 234G SEAL BEACH CA 907403237	SE	0.24 / 1,254.28	<a href="#">150</a>
BETH MAYER	13101 OAK HILLS DR # 23A SEAL BEACH CA 907403295	SE	0.24 / 1,254.28	<a href="#">150</a>

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
JOHANSEN, RICHARD	1125 NORTHWOOD RD. SEAL BEACH CA 90740	SE	0.23 / 1,226.31	<a href="#">152</a>
ALICE CALHOUN	1121 NORTHWOOD RD APT 237E SEAL BEACH CA 907403337	SE	0.23 / 1,223.86	<a href="#">154</a>

### **HIST MANIFEST - Historical Hazardous Waste Manifest Data**

A search of the HIST MANIFEST database, dated Dec 31, 1992 has found that there are 3 HIST MANIFEST site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	1100 IROQUIOS AVENUE LONG BEACH CA 908150000	W	0.20 / 1,035.50	<a href="#">77</a>
	6530 ESPANITA ST LONG BEACH CA 908154635	NW	0.17 / 900.00	<a href="#">91</a>
	6400 BIXBY HILL RD LONG BEACH CA 908150000	WSW	0.22 / 1,172.00	<a href="#">124</a>

### **CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites**

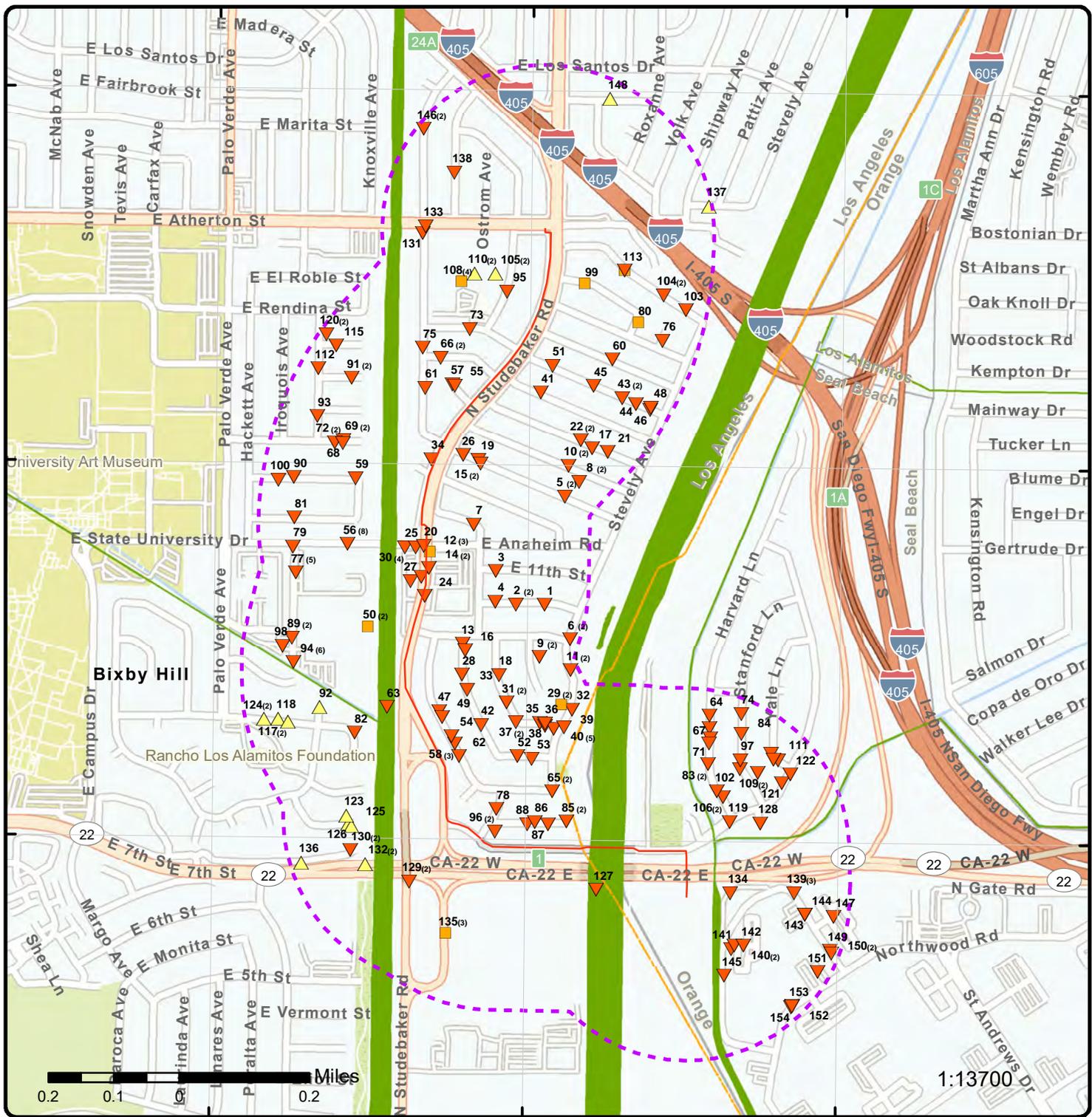
A search of the CERS HAZ database, dated Oct 7, 2022 has found that there are 2 CERS HAZ site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
7-ELEVEN INC. STORE #27017	1190 N STUDEBAKER RD LONG BEACH CA 90815	W	0.00 / 24.43	<a href="#">14</a>
AT&T Mobility - (USID207498)	698 N STUDEBAKER RD LONG BEACH CA 90803	SSW	0.15 / 796.77	<a href="#">135</a>

### **EMISSIONS - Toxic Pollutant Emissions Facilities**

A search of the EMISSIONS database, dated Dec 31, 2020 has found that there are 1 EMISSIONS site(s) within approximately 0.250 miles of the project property.

<u>Site</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LA COUNTY, DEPT OF PUBLIC WORK	6560 ANAHEIM RD LONG BEACH CA	W	0.12 / 615.47	<a href="#">56</a>



**Map: 0.25 Mile Radius**

Order Number: 22120501310  
 Address: n/a, Seal Beach, CA



- |                              |                        |                     |  |
|------------------------------|------------------------|---------------------|--|
| Project Property             | Buffer Outline         | State               | FWS Special Designation Areas  |
| Sites with Higher Elevation  | Freeways; Highways     | Country             | National Priorities List (Active, Delisted, Proposed, Institutional Control) |
| Sites with Same Elevation    | Traffic Circle; Ramp   | National Wetland    | Indian Reserve Land  |
| Sites with Lower Elevation   | Major & Minor Arterial | Plume               | 100 Year Flood Zone  |
| Sites with Unknown Elevation | Traffic Circle; Ramp   | 500 Year Flood Zone |  |
| Areas with Higher Elevation  | Local Road             |                     |  |
| Areas with Same Elevation    | Rail                   |                     |  |
| Areas with Lower Elevation   |                        |                     |  |
| Areas with Unknown Elevation |                        |                     |  |

118°6'30"W

118°6'W

118°5'30"W

33°47'30"N

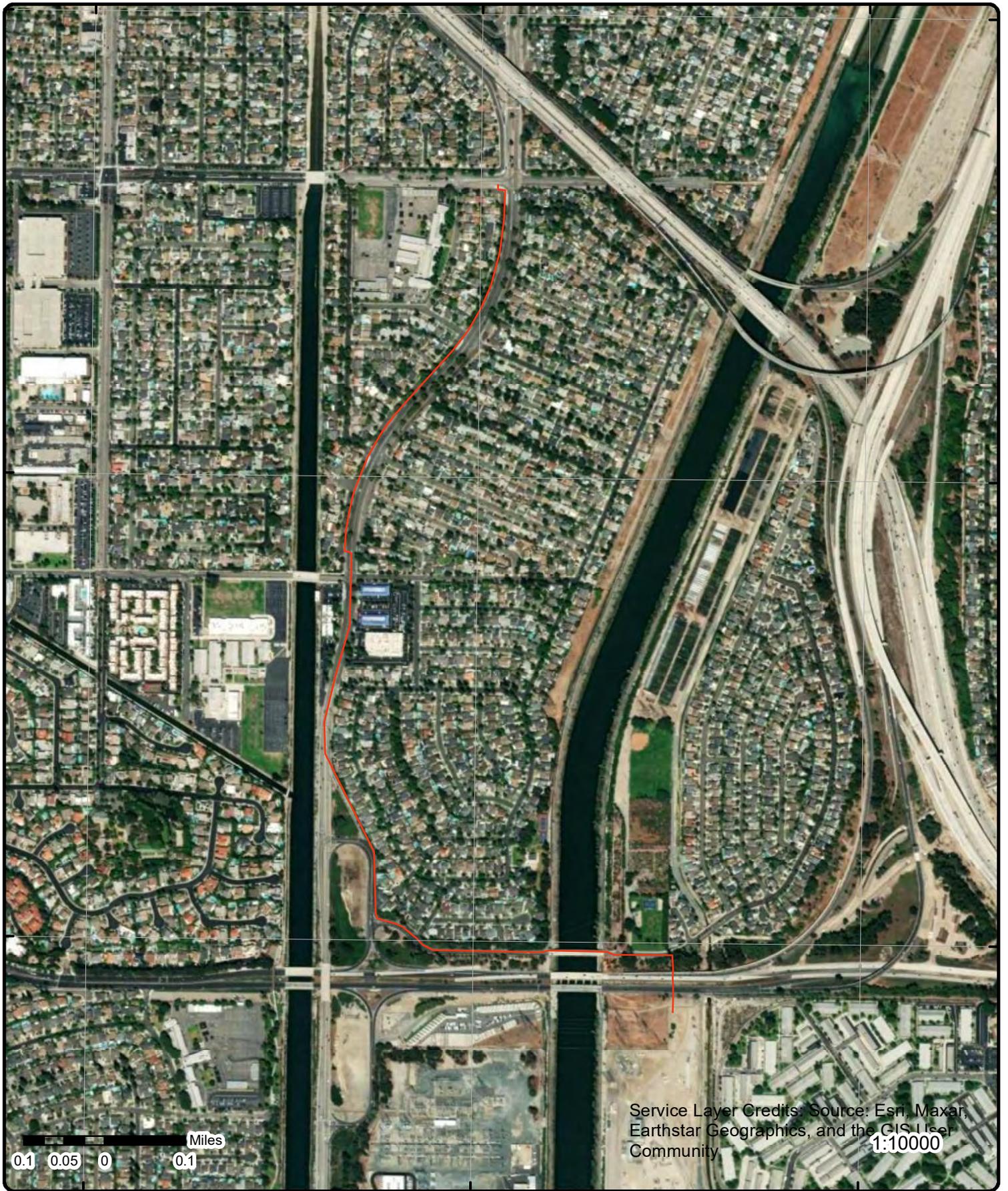
33°47'30"N

33°47'N

33°47'N

33°46'30"N

33°46'30"N



**Aerial** Year: 2021

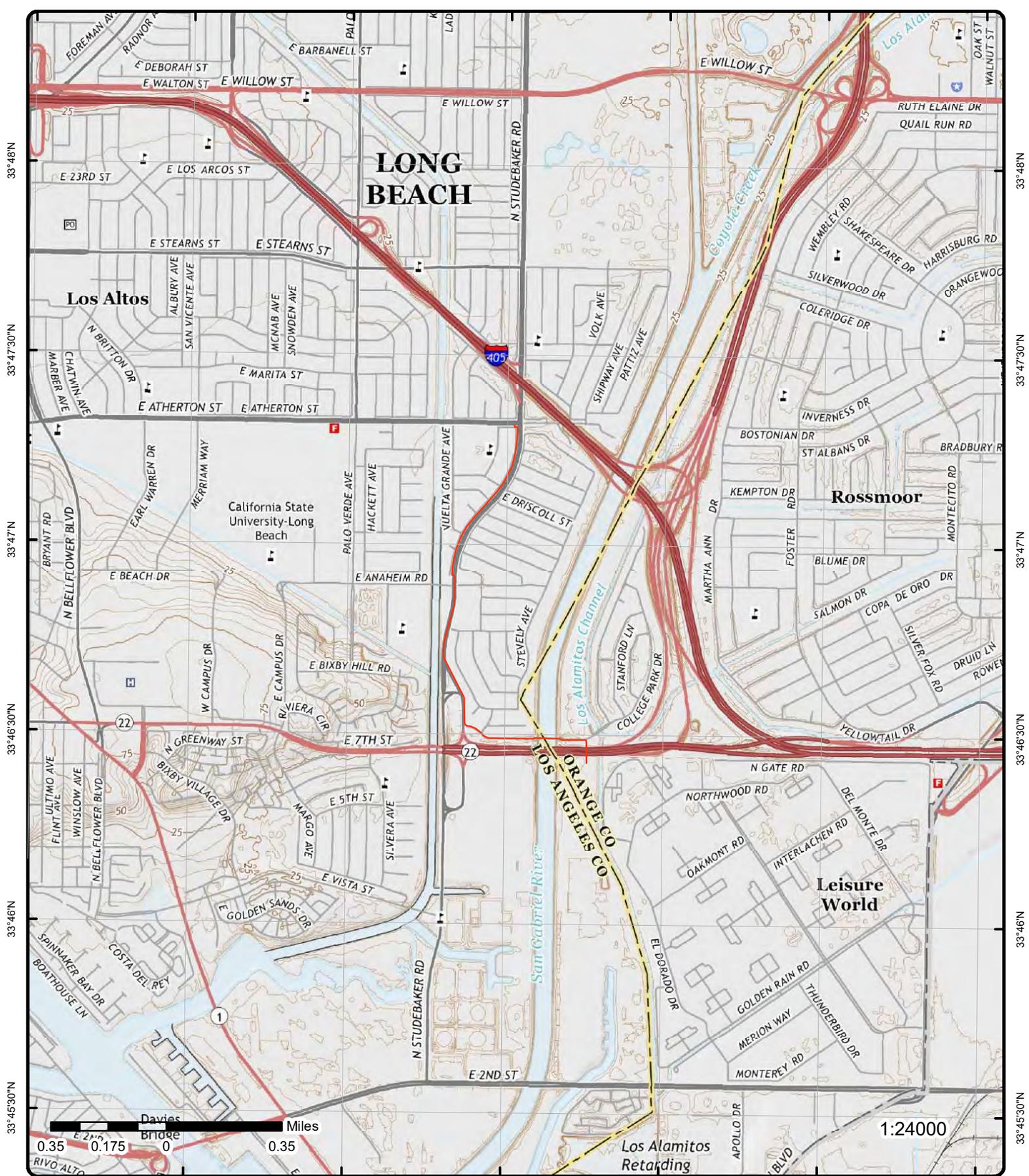
Address: n/a, Seal Beach, CA

Source: ESRI World Imagery

Order Number: 22120501310



© ERIS Information Inc.



# Topographic Map

Year: 2015

Order Number: 22120501310

Address: n/a, CA

Quadrangle(s): Los Alamitos, CA

Source: USGS Topographic Map



© ERIS Information Inc.

# Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">1</a>	1 of 1	S	0.19 / 977.48	12.23 / -2	<b>COLUMBIA MEDICAL BUILDING PHARMACY 6880 E 10TH ST LONG BEACH CA 908154930</b>	..... <b>HAZ GEN</b>
<b>Epa ID:</b>		CAC002659023		<b>Facility County:</b>		19
<b>Address 2:</b>				<b>County:</b>		Los Angeles
<b>Details DTSC HWTS:</b>		The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>				
<b>Handler Profile URL:</b>		<a href="https://hwts.dtsc.ca.gov/facility/CAC002659023">https://hwts.dtsc.ca.gov/facility/CAC002659023</a>				
<a href="#">2</a>	1 of 2	SW	0.14 / 750.75	12.03 / -2	<b>JACQUELINE BEAUCHAMP 6840 E 10TH ST LONG BEACH CA 90815</b>	<b>HAZ GEN</b>
<b>Epa ID:</b>		CAC002835082		<b>Facility County:</b>		19
<b>Address 2:</b>				<b>County:</b>		Los Angeles
<b>Details DTSC HWTS:</b>		The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>				
<b>Handler Profile URL:</b>		<a href="https://hwts.dtsc.ca.gov/facility/CAC002835082">https://hwts.dtsc.ca.gov/facility/CAC002835082</a>				
<a href="#">2</a>	2 of 2	SW	0.14 / 750.75	12.03 / -2	<b>BEAUCHAMP, DONALD 6840 E. 10TH STREET LONG BEACH CA 90815</b>	<b>HAZ GEN</b>
<b>Epa ID:</b>		CAC002921633		<b>Facility County:</b>		19
<b>Address 2:</b>				<b>County:</b>		Los Angeles
<b>Details DTSC HWTS:</b>		The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>				
<b>Handler Profile URL:</b>		<a href="https://hwts.dtsc.ca.gov/facility/CAC002921633">https://hwts.dtsc.ca.gov/facility/CAC002921633</a>				
<a href="#">3</a>	1 of 1	W	0.11 / 564.87	11.85 / -2	<b>GLYNN, PETER &amp; EMILY 6810 E 11TH ST LONG BEACH CA 908154934</b>	<b>HAZ GEN</b>
<b>Epa ID:</b>		CAC002810907		<b>Facility County:</b>		19
<b>Address 2:</b>				<b>County:</b>		Los Angeles
<b>Details DTSC HWTS:</b>		The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>				
<b>Handler Profile URL:</b>		<a href="https://hwts.dtsc.ca.gov/facility/CAC002810907">https://hwts.dtsc.ca.gov/facility/CAC002810907</a>				
<a href="#">4</a>	1 of 1	WSW	0.11 / 580.19	12.11 / -2	<b>LOUIS MOSKOWITC 6811 E 10TH ST LONG BEACH CA 90815</b>	<b>HAZNET</b>
<b>SIC Code:</b>				<b>Mailing City:</b>		LONG BEACH

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>NAICS Code:</b>		<b>Mailing State:</b>	CA	
<b>EPA ID:</b>	CAC002699838	<b>Mailing Zip:</b>	90815	
<b>Create Date:</b>	7/23/2012	<b>Region Code:</b>	3	
<b>Fac Act Ind:</b>	No	<b>Owner Name:</b>	LOUIS MOSKOWITC	
<b>Inact Date:</b>	10/22/2012	<b>Owner Addr 1:</b>	6811 E 10TH ST	
<b>County Code:</b>	19	<b>Owner Addr 2:</b>		
<b>County Name:</b>	Los Angeles	<b>Owner City:</b>	LONG BEACH	
<b>Mail Name:</b>		<b>Owner State:</b>	CA	
<b>Mailing Addr 1:</b>	6811 E 10TH ST	<b>Owner Zip:</b>	90815	
<b>Mailing Addr 2:</b>		<b>Owner Phone:</b>	5624314218	
<b>Owner Fax:</b>				

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>

**DTSC Handler Profile url:** <https://hwts.dtsc.ca.gov/facility/CAC002699838>

<a href="#">5</a>	1 of 2	<b>NNE</b>	<b>0.20 / 1,067.32</b>	<b>11.07 / -3</b>	<b>WILLIAM WITT 6841 E MANTOVA ST LONG BEACH CA 90815-4916</b>	<b>RCRA NON GEN</b>
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**EPA Handler ID:** CAC003061611  
**Gen Status Universe:** No Report  
**Contact Name:** WILLIAM WITT  
**Contact Address:** 6841 E MANTOVA ST , , LONG BEACH , CA, 90815-4916 ,  
**Contact Phone No and Ext:** 760-480-0626  
**Contact Email:** JOHN@MEDBWS.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20200327  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 20200327  
 Handler Name: WILLIAM WITT  
 Source Type: Implementer  
 Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

**Owner/Operator Details**

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	6841 E MANTOVA ST
Name:	WILLIAM WITT	Street 2:	
Date Became Current:		City:	LONG BEACH
Date Ended Current:		State:	CA
Phone:	760-480-0626	Country:	
Source Type:	Implementer	Zip Code:	90815-4916

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	6841 E MANTOVA ST
Name:	WILLIAM WITT	Street 2:	
Date Became Current:		City:	LONG BEACH
Date Ended Current:		State:	CA
Phone:	760-480-0626	Country:	
Source Type:	Implementer	Zip Code:	90815-4916

<a href="#">5</a>	2 of 2	NNE	0.20 / 1,067.32	11.07 / -3	WILLIAM WITT 6841 E MANTOVA ST LONG BEACH CA 90815-4916	<a href="#">FINDS/FRS</a>
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Registry ID: 110070806577  
 FIPS Code: 06037  
 HUC Code:  
 Site Type Name: STATIONARY  
 Location Description:  
 Supplemental Location:  
 Create Date: 10-JUN-20  
 Update Date:  
 Interest Types: UNSPECIFIED UNIVERSE  
 SIC Codes:  
 SIC Code Descriptions:  
 NAICS Codes:  
 NAICS Code Descriptions:  
 Conveyor:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070806577](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070806577)  
**Program Acronyms:**  
 RCRAINFO:CAC003061611

<a href="#">6</a>	1 of 2	SSE	0.24 / 1,248.14	12.27 / -2	NATE LEMON 900 STEVELY AVE LONG BEACH CA 908154941	HAZNET
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<b>SIC Code:</b>		<b>Mailing City:</b>	LONG BEACH
<b>NAICS Code:</b>		<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAC002771570	<b>Mailing Zip:</b>	908154941
<b>Create Date:</b>	5/16/2014	<b>Region Code:</b>	3
<b>Fac Act Ind:</b>	No	<b>Owner Name:</b>	NATE LEMON
<b>Inact Date:</b>	8/15/2014	<b>Owner Addr 1:</b>	900 STEVELY AVE
<b>County Code:</b>	19	<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles	<b>Owner City:</b>	LONG BEACH
<b>Mail Name:</b>		<b>Owner State:</b>	CA
<b>Mailing Addr 1:</b>	900 STEVELY AVE	<b>Owner Zip:</b>	908154941
<b>Mailing Addr 2:</b>		<b>Owner Phone:</b>	5095541414
<b>Owner Fax:</b>			

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**DTSC Handler Profile url:** <https://hwts.dtsc.ca.gov/facility/CAC002771570>

<a href="#">6</a>	2 of 2	SSE	0.24 / 1,248.14	12.27 / -2	NATE LEMON 900 STEVELY AVE LONG BEACH CA 908154941	HAZ GEN
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<b>Epa ID:</b>	CAC002771571	<b>Facility County:</b>	19
<b>Address 2:</b>		<b>County:</b>	Los Angeles
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>		
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002771571">https://hwts.dtsc.ca.gov/facility/CAC002771571</a>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">7</a>	1 of 1	WNW	0.07 / 381.58	10.11 / -4	NOELLE MAGUIRE 6736 E EL JARDIN ST LONG BEACH CA 908154911	HAZNET

<b>SIC Code:</b>		<b>Mailing City:</b>	LONG BEACH
<b>NAICS Code:</b>		<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAC002799547	<b>Mailing Zip:</b>	908154911
<b>Create Date:</b>	1/9/2015	<b>Region Code:</b>	3
<b>Fac Act Ind:</b>	No	<b>Owner Name:</b>	NOELLE MAGUIRE
<b>Inact Date:</b>	4/10/2015	<b>Owner Addr 1:</b>	6736 E EL JARDIN ST
<b>County Code:</b>	19	<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles	<b>Owner City:</b>	LONG BEACH
<b>Mail Name:</b>		<b>Owner State:</b>	CA
<b>Mailing Addr 1:</b>	6736 E EL JARDIN ST	<b>Owner Zip:</b>	908154911
<b>Mailing Addr 2:</b>		<b>Owner Phone:</b>	5628572609
<b>Owner Fax:</b>			

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>

**DTSC Handler Profile url:** <https://hwts.dtsc.ca.gov/facility/CAC002799547>

<a href="#">8</a>	1 of 2	NNE	0.20 / 1,074.09	13.26 / -1	BICH DANG 6902 E DE LEON ST LONG BEACH CA 90815	RCRA NON GEN
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<b>EPA Handler ID:</b>	CAC003023013
<b>Gen Status Universe:</b>	No Report
<b>Contact Name:</b>	BICH DANG
<b>Contact Address:</b>	6902 E DE LEON ST , , LONG BEACH , CA, 90815 ,
<b>Contact Phone No and Ext:</b>	949-422-7427
<b>Contact Email:</b>	ADMIN@VIKINGENVIRO.COM
<b>Contact Country:</b>	
<b>County Name:</b>	LOS ANGELES
<b>EPA Region:</b>	09
<b>Land Type:</b>	
<b>Receive Date:</b>	20190708
<b>Location Latitude:</b>	33.783139
<b>Location Longitude:</b>	-118.098574

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

<b>Importer Activity:</b>	No
<b>Mixed Waste Generator:</b>	No
<b>Transporter Activity:</b>	No
<b>Transfer Facility:</b>	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Onsite Burner Exemption:		No				
Furnace Exemption:		No				
Underground Injection Activity:		No				
Commercial TSD:		No				
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20190708  
**Handler Name:** BICH DANG  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>	
<b>Type:</b> Other	<b>Street 1:</b>	6902 E DE LEON ST
<b>Name:</b> BICH DANG	<b>Street 2:</b>	
<b>Date Became Current:</b>	<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b>	CA
<b>Phone:</b> 949-422-7427	<b>Country:</b>	
<b>Source Type:</b> Implementer	<b>Zip Code:</b>	90815

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>	
<b>Type:</b> Other	<b>Street 1:</b>	6902 E DE LEON ST
<b>Name:</b> BICH DANG	<b>Street 2:</b>	
<b>Date Became Current:</b>	<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b>	CA
<b>Phone:</b> 949-422-7427	<b>Country:</b>	
<b>Source Type:</b> Implementer	<b>Zip Code:</b>	90815

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<b><u>8</u></b>	2 of 2	<b>NNE</b>	0.20 / 1,074.09	13.26 / -1	<b>BICH DANG 6902 E DE LEON ST LONG BEACH CA 90815</b>	<b>FINDS/FRS</b>
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**Registry ID:** 110070586477  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 20-AUG-19  
**Update Date:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Interest Types:** OTHER HAZARDOUS WASTE ACTIVITIES  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070586477](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070586477)  
**Program Acronyms:**  
 RCRAINFO:CAC003023013

<a href="#">9</a>	1 of 2	S	0.20 / 1,048.98	13.65 / -1	ROBERT ANDERSON 872 N KAREN WAY LONG BEACH CA 90815	RCRA NON GEN
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**EPA Handler ID:** CAC003022678  
**Gen Status Universe:** No Report  
**Contact Name:** ROBERT ANDERSON  
**Contact Address:** 872 N KAREN WAY , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 949-400-8774  
**Contact Email:** MANIFEST.SIRRIS@GMAIL.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20190705  
**Location Latitude:** 33.779034  
**Location Longitude:** -118.099874

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20190705  
**Handler Name:** ROBERT ANDERSON  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 872 N KAREN WAY
<b>Name:</b> ROBERT ANDERSON	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 949-400-8774	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 872 N KAREN WAY
<b>Name:</b> ROBERT ANDERSON	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 949-400-8774	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

<a href="#">9</a>	2 of 2	S	0.20 / 1,048.98	13.65 / -1	ROBERT ANDERSON 872 N KAREN WAY LONG BEACH CA 90815	<a href="#">FINDS/FRS</a>
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**Registry ID:** 110070586181  
**FIPS Code:** 06037

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 20-AUG-19  
**Update Date:**  
**Interest Types:** OTHER HAZARDOUS WASTE ACTIVITIES  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070586181](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070586181)  
**Program Acronyms:**  
 RCRAINFO:CAC003022678

<a href="#">10</a>	1 of 2	NNE	0.18 / 925.38	11.36 / -3	ROSA TRUJILLO 6835 E DE LEON ST LONG BEACH CA 90815-4908	RCRA NON GEN
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**EPA Handler ID:** CAC003061754  
**Gen Status Universe:** No Report  
**Contact Name:** ROSA TRUJILLO  
**Contact Address:** 6835 E DE LEON ST , , LONG BEACH , CA, 90815-4908 ,  
**Contact Phone No and Ext:** 562-544-9449  
**Contact Email:** NANCYRUIZ@ALLIANCE-ENVIRO.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20200330  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20200330  
**Handler Name:** ROSA TRUJILLO  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6835 E DE LEON ST
<b>Name:</b> ROSA TRUJILLO	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-544-9449	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815-4908

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6835 E DE LEON ST
<b>Name:</b> ROSA TRUJILLO	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-544-9449	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815-4908

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">10</a>	2 of 2	NNE	0.18 / 925.38	11.36 / -3	ROSA TRUJILLO 6835 E DE LEON ST LONG BEACH CA 90815-4908	FINDS/FRS

**Registry ID:** 110070806129  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 10-JUN-20  
**Update Date:**  
**Interest Types:** UNSPECIFIED UNIVERSE  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070806129](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070806129)  
**Program Acronyms:**  
 RCRAINFO:CAC003061754

<a href="#">11</a>	1 of 2	SSE	0.24 / 1,259.53	13.62 / -1	ELNA ANDERSON 860 STEVELY AVE LONG BEACH CA 90815	RCRA NON GEN
<b>EPA Handler ID:</b>		CAC003026455				
<b>Gen Status Universe:</b>		No Report				
<b>Contact Name:</b>		ELNA ANDERSON				
<b>Contact Address:</b>		860 STEVELY AVE , , LONG BEACH , CA, 90815 ,				
<b>Contact Phone No and Ext:</b>		562-335-5364				
<b>Contact Email:</b>		ANAB@PWSEI.COM				
<b>Contact Country:</b>						
<b>County Name:</b>		LOS ANGELES				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>EPA Region:</b>		09				
<b>Land Type:</b>						
<b>Receive Date:</b>		20190729				
<b>Location Latitude:</b>						
<b>Location Longitude:</b>						

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20190729  
**Handler Name:** ELNA ANDERSON  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 860 STEVELY AVE
<b>Name:</b> ELNA ANDERSON	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-335-5364	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815
<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Type:	Other				Street 1: 860 STEVELY AVE	
Name:	ELNA ANDERSON				Street 2:	
Date Became Current:					City: LONG BEACH	
Date Ended Current:					State: CA	
Phone:	562-335-5364				Country:	
Source Type:	Implementer				Zip Code: 90815	

[11](#) 2 of 2 SSE 0.24 / 1,259.53 13.62 / -1 ELNA ANDERSON 860 STEVELY AVE LONG BEACH CA 90815 [FINDS/FRS](#)

Registry ID: 110070651818  
 FIPS Code: 06037  
 HUC Code:  
 Site Type Name: STATIONARY  
 Location Description:  
 Supplemental Location:  
 Create Date: 26-NOV-19  
 Update Date:  
 Interest Types: UNSPECIFIED UNIVERSE  
 SIC Codes:  
 SIC Code Descriptions:  
 NAICS Codes:  
 NAICS Code Descriptions:  
 Conveyor:  
 Federal Facility Code:  
 Federal Agency Name:  
 Tribal Land Code:  
 Tribal Land Name:  
 Congressional Dist No:  
 Census Block Code:  
 EPA Region Code: 09  
 County Name: LOS ANGELES  
 US/Mexico Border Ind:  
 Latitude:  
 Longitude:  
 Reference Point:  
 Coord Collection Method:  
 Accuracy Value:  
 Datum: NAD83  
 Source:  
 Facility Detail Rprt URL: [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070651818](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070651818)  
 Program Acronyms:  
 RCRAINFO:CAC003026455

[12](#) 1 of 3 W 0.01 / 32.09 14.56 / 0 SERVICE STATION 4849 1190 STUDEBAKER RD LONG BEACH CA 90815 [HHSS](#)

County: Los Angeles  
 Tank Details Microfiche: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002916d.pdf>

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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[12](#)    2 of 3    W    0.01 / 32.09    14.56 / 0    SERVICE STATION 4849  
1190 STUDEBAKER RD  
LONG BEACH CA    HIST TANK

**Owner Name:** UNION OIL COMPANY OF CALIFORNI    **No of Containers:** 3  
**Owner Street:** 3701 WILSHIRE BOULEVARD - SUIT    **County:** LOS ANGELES  
**Owner City:** LOS ANGELES    **Facility State:** CA  
**Owner State:** CA    **Facility Zip:** 90815  
**Owner Zip:** 90010

[12](#)    3 of 3    W    0.01 / 32.09    14.56 / 0    SERVICE STATION 4849  
1190 STUDEBAKER RD  
LONG BEACH CA    UST SWEEPS

**C C:** A19-060-17444    **D Filename:** SITE01A  
**BOE:** 44-013411    **Page No:** 62  
**Comp:** 17444    **County:** LOS ANGELES  
**Status:** ACTIVE    **State :** CA  
**No of Tanks:** 3    **Zip:** 90815  
**Jurisdict:** CITY OF LONG BEACH    **Latitude:** 0  
**Agency:** FIRE DEPARTMENT    **Longitude:** 0  
**Phone:**    **Georesult:** N

Tank Details

**Tank ID:** 000003    **S Contain:**  
**O Tank ID:** 4849-4    **Stg:** W  
**SWRCB No:** 19-060-017444-000003    **Storage :**  
**Removed:**    **Storage Type:** WASTE  
**Installed:**    **P Contain:**  
**A Date:** 07-01-85    **Content:** WASTE OIL  
**Capac:** 280    **ONA:**  
**Tank Use:** OIL    **D File Name:** TANK1A

Tank Details

**Tank ID:** 000001    **S Contain:**  
**O Tank ID:** 4849-1    **Stg:** P  
**SWRCB No:** 19-060-017444-000001    **Storage :**  
**Removed:**    **Storage Type:** PRODUCT  
**Installed:**    **P Contain:**  
**A Date:** 07-01-85    **Content:** REG UNLEADED  
**Capac:** 7500    **ONA:**  
**Tank Use:** M.V. FUEL    **D File Name:** TANK1A

Tank Details

**Tank ID:** 000002    **S Contain:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>O Tank ID:</b>	4849-2				<b>Stg:</b> P	
<b>SWRCB No:</b>	19-060-017444-000002				<b>Storage :</b>	
<b>Removed:</b>					<b>Storag Type:</b> PRODUCT	
<b>Installed:</b>					<b>P Contain:</b>	
<b>A Date:</b>	07-01-85				<b>Content:</b> REG UNLEADED	
<b>Capac:</b>	7500				<b>ONA:</b>	
<b>Tank Use:</b>	M.V. FUEL				<b>D File Name:</b> TANK1A	

[13](#) 1 of 1 SW 0.08 / 421.70 11.00 / -3 **MARIE BENSON  
881 KALLIN AVE.  
LONG BEACH CA 90815** **HAZ GEN**

**Epa ID:** CAC002908516 **Facility County:** 19  
**Address 2:** **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002908516>

[14](#) 1 of 2 W 0.00 / 24.43 13.31 / -1 **7-ELEVEN INC. STORE #27017  
1190 N STUDEBAKER RD  
LONG BEACH CA 90815** **FINDS/FRS**

**Registry ID:** 110064933425  
**FIPS Code:**  
**HUC Code:** 18070106  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 10-OCT-15  
**Update Date:**  
**Interest Types:** STATE MASTER  
**SIC Codes:** 5411  
**SIC Code Descriptions:** GROCERY STORES  
**NAICS Codes:** 445120  
**NAICS Code Descriptions:** CONVENIENCE STORES.  
**Conveyor:** FRS-GEOCODE  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:** 46  
**Census Block Code:** 060375745002011  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:** 33.781459  
**Longitude:** -118.10263  
**Reference Point:** ENTRANCE POINT OF A FACILITY OR STATION  
**Coord Collection Method:** ADDRESS MATCHING-HOUSE NUMBER  
**Accuracy Value:** 50  
**Datum:** NAD83  
**Source:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110064933425](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110064933425)  
**Program Acronyms:**  
 CA-ENVIROVIEW:1528

<a href="#">14</a>	2 of 2	W	0.00 / 24.43	13.31 / -1	7-ELEVEN INC. STORE #27017 1190 N STUDEBAKER RD LONG BEACH CA 90815	CERS HAZ
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**Site ID:** 1528  
**Latitude:** 33.781330  
**Longitude:** -118.102575  
**County:**

**Regulated Programs**

**EI ID:** 10463620      **EI Description:** Chemical Storage Facilities

**Violations**

**Violation Date:** 03/27/2014      **Violation Source:** CERS  
**Violation Program:** HMRRP      **Violation Division:** Long Beach Environmental Heath  
**Citation:** HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
**Violation Notes:**

Returned to compliance on 05/09/2014.

**Violation Description:**

Business Plan Program - Administration/Documentation - General

**Evaluations**

**Eval Date:** 04/27/2021  
**Violations Found:** No  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Long Beach Environmental Heath  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

Mistaken reproduced Report. Please delete; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Eval Date:** 03/27/2014  
**Violations Found:** Yes  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Long Beach Environmental Heath

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

**Eval Date:** 05/26/2014  
**Violations Found:** No  
**Eval General Type:** Other/Unknown  
**Eval Type:** Other, not routine, done by local agency  
**Eval Division:** Long Beach Environmental Health  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

FOLLOWUP TO 3/27/2014 ROUTINE; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Eval Date:** 04/27/2021  
**Violations Found:** No  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Long Beach Environmental Health  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

Long Beach Fire Department Hazardous Materials Specialists, Brian Erdman was on site to conduct a Hazardous Materials Business Plan for the business. The purpose of the HMBP is to assist the LBFD during an emergency response to this facility. Manuel Lopez provided consent to conduct the inspection. Any facility that stores Hazardous Materials at or above a reportable volume is required to complete an electronic HMBEP to the California Environmental Response System (CERS) at <https://cers.calepa.ca.gov/>. The reportable volume for Hazardous Wastes / Materials or mixture is equal to or greater than 55 gallons of a liquid, 500 pounds of solid, or 200 cubic feet of a gas. The facility has the following Hazardous Materials at a reportable volume: - Carbon Dioxide CERS 10463620 is complete and accepted. Training has been conducted Site map is available for review. For any questions regarding this report, please contact Brian Erdman at 562-570-2581 or at [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Eval Date:** 03/09/2017  
**Violations Found:** No  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Long Beach Environmental Health  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

**Affiliations**

**Affil Type Desc:** Operator  
**Entity Name:** Manuel Lopez  
**Entity Title:**  
**Address:**  
**City:**  
**State:**  
**Country:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Zip Code:</b>						
<b>Phone:</b>		(562) 493-7175				
<b>Affil Type Desc:</b>						
<b>Entity Name:</b>		Document Preparer				
<b>Entity Title:</b>		Stantec Consulting Services Inc.				
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>						
<b>Entity Name:</b>		Legal Owner				
<b>Entity Title:</b>		Manuel Lopez				
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>						
<b>Entity Name:</b>		Identification Signer				
<b>Entity Title:</b>		BRENT SMERCZYNSKI				
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>						
<b>Entity Name:</b>		Property Owner				
<b>Entity Title:</b>		7-ELEVEN INC.				
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>						
<b>Entity Name:</b>		Environmental Contact				
<b>Entity Title:</b>		BRENT SMERCZYNSKI				
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						

**Affil Type Desc:** Facility Mailing Address  
**Entity Name:** Mailing Address  
**Entity Title:**  
**Address:** 1190 N Studebaker Rd  
**City:** Long Beach  
**State:** CA  
**Country:**  
**Zip Code:** 90815  
**Phone:**

**Affil Type Desc:** CUPA District  
**Entity Name:** Long Beach Environmental Health  
**Entity Title:**  
**Address:** 2525 Grand Avenue  
**City:** Long Beach  
**State:** CA  
**Country:**  
**Zip Code:** 90815  
**Phone:** (562) 570-4131

**Affil Type Desc:** Parent Corporation  
**Entity Name:** 7-ELEVEN CONVENIENCE STORES  
**Entity Title:**  
**Address:**  
**City:**  
**State:**  
**Country:**  
**Zip Code:**  
**Phone:**

**Coordinates**

<b>Env Int Type Code:</b>	HMBP	<b>Longitude:</b>	-118.102580
<b>Program ID:</b>	10463620	<b>Coord Name:</b>	
<b>Latitude:</b>	33.781330	<b>Ref Point Type Desc:</b>	Center of a facility or station.

<a href="#"><u>15</u></a>	1 of 2	<b>NW</b>	<b>0.07 / 347.29</b>	<b>11.15 / -3</b>	<b>SUSAN MURRAY 6718 EAST MANTOVA ST. LONG BEACH CA 90815</b>	<b>RCRA NON GEN</b>
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**EPA Handler ID:** CAC002978775  
**Gen Status Universe:** No Report  
**Contact Name:** SUSAN MURRAY  
**Contact Address:** 6718 EAST MANTOVA ST. , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 562-714-6493  
**Contact Email:** KYLE@FORTEENVIRONMENTAL.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<i>Receive Date:</i>		20180904				
<i>Location Latitude:</i>		33.783377				
<i>Location Longitude:</i>		-118.101304				

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

*Importer Activity:* No  
*Mixed Waste Generator:* No  
*Transporter Activity:* No  
*Transfer Facility:* No  
*Onsite Burner Exemption:* No  
*Furnace Exemption:* No  
*Underground Injection Activity:* No  
*Commercial TSD:* No  
*Used Oil Transporter:* No  
*Used Oil Transfer Facility:* No  
*Used Oil Processor:* No  
*Used Oil Refiner:* No  
*Used Oil Burner:* No  
*Used Oil Market Burner:* No  
*Used Oil Spec Marketer:* No

**Hazardous Waste Handler Details**

*Sequence No:* 1  
*Receive Date:* 20180904  
*Handler Name:* SUSAN MURRAY  
*Source Type:* Implementer  
*Federal Waste Generator Code:* N  
*Generator Code Description:* Not a Generator, Verified

**Owner/Operator Details**

<i>Owner/Operator Ind:</i>	Current Owner	<i>Street No:</i>	
<i>Type:</i>	Other	<i>Street 1:</i>	6718 EAST MANTOVA ST.
<i>Name:</i>	SUSAN MURRAY	<i>Street 2:</i>	
<i>Date Became Current:</i>		<i>City:</i>	LONG BEACH
<i>Date Ended Current:</i>		<i>State:</i>	CA
<i>Phone:</i>	562-714-6493	<i>Country:</i>	
<i>Source Type:</i>	Implementer	<i>Zip Code:</i>	90815

<i>Owner/Operator Ind:</i>	Current Operator	<i>Street No:</i>	
<i>Type:</i>	Other	<i>Street 1:</i>	6718 EAST MANTOVA ST.
<i>Name:</i>	SUSAN MURRAY	<i>Street 2:</i>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Date Became Current:</b>				<b>City:</b>	LONG BEACH	
<b>Date Ended Current:</b>				<b>State:</b>	CA	
<b>Phone:</b>	562-714-6493			<b>Country:</b>		
<b>Source Type:</b>	Implementer			<b>Zip Code:</b>	90815	

[15](#)    2 of 2    **NW**    **0.07 / 347.29**    **11.15 / -3**    **SUSAN MURRAY  
6718 EAST MANTOVA ST.  
LONG BEACH CA 90815**    **FINDS/FRS**

**Registry ID:** 110070437103  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 31-DEC-18  
**Update Date:**  
**Interest Types:** OTHER HAZARDOUS WASTE ACTIVITIES  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070437103](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070437103)  
**Program Acronyms:**  
RCRAINFO:CAC002978775

[16](#)    1 of 1    **SW**    **0.09 / 452.12**    **12.40 / -2**    **JENNIFER JONES  
876 KALLIN  
LONG BEACH CA 90815**    **HAZ GEN**

**Epa ID:** CAC002917598    **Facility County:** 19  
**Address 2:**    **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Handler Profile URL: <https://hwts.dtsc.ca.gov/search>  
<https://hwts.dtsc.ca.gov/facility/CAC002917598>

<a href="#">17</a>	1 of 1	NNE	0.18 / 971.62	11.86 / -2	SHAWN SCHWARZ 6920 E Bacarro St Long Beach CA 908154805	HAZNET
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SIC Code:		Mailing City:	LONG BEACH
NAICS Code:		Mailing State:	CA
EPA ID:	CAC002775092	Mailing Zip:	908154805
Create Date:	6/17/2014	Region Code:	3
Fac Act Ind:	No	Owner Name:	SHAWN SCHWARZ
Inact Date:	9/16/2014	Owner Addr 1:	6920 E BACARRO ST
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	LONG BEACH
Mail Name:		Owner State:	CA
Mailing Addr 1:	6920 E BACARRO ST	Owner Zip:	908154805
Mailing Addr 2:		Owner Phone:	5625199894

Owner Fax:

Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>

DTSC Handler Profile url: <https://hwts.dtsc.ca.gov/facility/CAC002775092>

<a href="#">18</a>	1 of 1	SSW	0.14 / 723.79	12.48 / -2	KEVIN HUGHES 864 ROXANNE AVE LONG BEACH CA 908155013	HAZ GEN
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Epa ID:	CAC002799034	Facility County:	19
Address 2:		County:	Los Angeles

Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>

Handler Profile URL: <https://hwts.dtsc.ca.gov/facility/CAC002799034>

<a href="#">19</a>	1 of 1	NW	0.06 / 317.00	11.79 / -2	CHARLES D CLAY AND PATRICIA C CLAY 6719 E MANTOVA ST LONG BEACH CA 90815	RCRA NON GEN
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EPA Handler ID:	CAC003178326
Gen Status Universe:	No Report
Contact Name:	CHARLES CLAY
Contact Address:	6719 E MANTOVA ST , , LONG BEACH , CA, 90815 ,
Contact Phone No and Ext:	562-387-7737
Contact Email:	JDIAZ@BURNS-ENVIRO.COM
Contact Country:	
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	20220527
Location Latitude:	
Location Longitude:	

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20220527  
**Handler Name:** CHARLES D CLAY AND PATRICIA C CLAY  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6719 E MANTOVA ST
<b>Name:</b> CHARLES CLAY	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-387-7737	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6719 E MANTOVA ST
<b>Name:</b> CHARLES CLAY	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-387-7737	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">20</a>	1 of 1	W	0.00 / 18.01	12.11 / -2	Long Beach Fire Studebaker Road and Anaheim Road Long Beach CA	CHMIRS

**Control No:** 09-8465 **Notified Date:**  
**County:** Los Angeles County **Notified Date Time:**  
**Year:** 2009  
**URL:** <https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/48f314b56b5a1b34882576930005c16d?OpenDocument>

**California Hazardous Material Incident Report System (as of 2006 to 2015)**

<b>Contained:</b>	Yes	<b>3 Ves &gt;= 300 Tons:</b>	
<b>1 Substance:</b>	Milky White Sheen	<b>Incident Date:</b>	12/20/2009
<b>1 Measure:</b>	Sheen	<b>Incident Time:</b>	1626
<b>1 Other:</b>	Possible Sewage	<b>Spill Site:</b>	Merchant/Business
<b>1 Quantity:</b>	1 mile long	<b>Injuries?:</b>	No
<b>1 Type:</b>	OTHER	<b>No of Injuries:</b>	
<b>1 Pipeline:</b>		<b>Fatals?:</b>	No
<b>1 Vessel &gt;= 300 Tons:</b>		<b>No of Fatals:</b>	
<b>2 Substance:</b>		<b>Evacs?:</b>	No
<b>2 Quantity:</b>		<b>No of Evacs:</b>	
<b>2 Measure:</b>		<b>Cleanup:</b>	Unknown
<b>2 Type:</b>		<b>Site:</b>	Cerritos Flood Channel
<b>2 Other:</b>		<b>Cause:</b>	Unknown
<b>2 Pipeline:</b>		<b>Cause Other:</b>	
<b>2 Vessel &gt;= 300 Tons:</b>		<b>Dog No:</b>	
<b>3 Substance:</b>		<b>Water:</b>	Yes
<b>3 Quantity:</b>		<b>Water Way:</b>	Cerritos Flood Channel
<b>3 Measure:</b>		<b>City:</b>	Long Beach
<b>3 Type:</b>		<b>County:</b>	Los Angeles County
<b>3 Other:</b>		<b>ZIP:</b>	
<b>3 Pipeline:</b>			

**Admin Agency:** Long Beach Fire Department  
**Notification Area:** AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,COASTAL COM,LANDS,PARKS & REC,USCG  
**Location:** Studebaker Road and Anaheim Road  
**Description:** A third party contacted RP about a Milky White Sheen in the canal. The sheen stationary at this time and the fire dept. is on scene and City of Long Beach Health will be arriving soon. It is thought to be sewage at this time.

**Spill Report View**

<b>Amount 1:</b>		<b>Creation Date:</b>	12/20/2009 05:02 PM
<b>Amount 2:</b>		<b>Received By:</b>	
<b>Amount 3:</b>		<b>Admin Agency:</b>	
<b>Water:</b>		<b>Admin Agency 2:</b>	
<b>On Scene:</b>		<b>Additional County:</b>	
<b>Other on Scene:</b>		<b>Phone No:</b>	
<b>Other Notified:</b>		<b>Ext:</b>	
<b>Document Title:</b>	SPILL Report	<b>Pag Cell:</b>	
<b>Spill Site:</b>	Merchant/Business		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Type: OTHER  
Cause Desc for Other:  
Person Notifying Cal OES:

**Hazardous Materials Spill Report**

Date :	12/20/2009	Water Involved:	Yes
Time:	1702	Drink Wtr Impact:	No
Incident Date:	12/20/2009	Detail for Other:	
Incident Time:	1626	UPRR Rim No:	
Control Cal OES:	09-8465	DOG Unit:	
Control NRC:	926720	RWQCB Unit:	4
Contained:	Yes		
Waterway:	Cerritos Flood Channel		
Received By:			
Cleanup By:	Unknown		
Incident Location:	Studebaker Road and Anaheim Road		
Additional County:			
1 Substance:	Milky White Sheen		
1 Qty:	=		
1 Amount :	1 mile long		
1 Measure:	Sheen		
1 Type:	OTHER		
1 Other:	Possible Sewage		
1 Pipeline:	No		
1 Ves >= 300 Tons:	No		
2 Substance:			
2 Qty:	=		
2 Amount:			
2 Measure:			
2 Type:			
2 Other:			
2 Pipeline:	No		
2 Ves >= 300 Tns:	No		
3 Substance:			
3 Qty:	=		
3 Amount:			
3 Measure:			
3 Type:			
3 Other:			
3 Pipeline:	No		
3 Ves >= 300 Tons:	No		
Injuries:	No		
Fatality:	No		
Evacuation:	No		
Known Impact:	None		
Name:			
Agency:	Long Beach Fire		
Phone:			
Ext:			
Pag Cell:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**PRS Name:**  
**PRS Agency:**  
**PRS Phone:**  
**PRS Ext:**  
**PRS Pag Cell:**  
**Sec Agency:** LACoFD Health Haz-Mat  
**Admin Agency:** Long Beach Fire Department  
**Admin Agency 2:**  
**Notification Info:**  
**Notification List:**  
**On Scene:** Fire Dept.  
**Other on Scene:**  
**Other Notified:** Public Works/ Long Beach City Health/ US EPA, USCG, Fish and Game  
**Header Unknown:** SOUTH COAST AQMD  
**Incident Desc:**  
**Site:** Merchant/Business  
**Reported Cause:** Unknown  
**R R Crssing < 50 Ft:**  
**Description:** A third party contacted RP about a Milky White Sheen in the canal. The sheen stationary at this time and the fire dept. is on scene and City of Long Beach Health will be arriving soon. It is thought to be sewage at this time.

<a href="#">21</a>	1 of 1	NNE	0.21 / 1,083.56	12.43 / -2	KATHRYN & STEVEN BRADLEY 6935 E BACARRO ST LONG BEACH CA 908154806	HAZ GEN
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**Epa ID:** CAC002871495 **Facility County:** 19  
**Address 2:** **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002871495>

<a href="#">22</a>	1 of 2	NNE	0.16 / 861.02	12.20 / -2	VICTORIA BILLIT 6911 EAST BACARRO STREET LONG BEACH CA 90815-4806	RCRA NON GEN
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**EPA Handler ID:** CAC002984547  
**Gen Status Universe:** No Report  
**Contact Name:** VICTORIA BILLIT  
**Contact Address:** 1256 10TH STREET , , MANHATTAN BEACH , CA, 90266-6022 ,  
**Contact Phone No and Ext:** 310-714-1007  
**Contact Email:** STEPHANIECRUZ@ALLIANCE-ENVIRO.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20181011  
**Location Latitude:** 33.783883  
**Location Longitude:** -118.098581

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records

associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20181011  
**Handler Name:** VICTORIA BILLIT  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 1256 10TH STREET
<b>Name:</b> VICTORIA BILLIT	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> MANHATTAN BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 310-714-1007	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90266-6022

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 1256 10TH STREET
<b>Name:</b> VICTORIA BILLIT	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> MANHATTAN BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 310-714-1007	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90266-6022

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Registry ID:</b>		110070406832				
<b>FIPS Code:</b>		06037				
<b>HUC Code:</b>						
<b>Site Type Name:</b>		STATIONARY				
<b>Location Description:</b>						
<b>Supplemental Location:</b>						
<b>Create Date:</b>		31-DEC-18				
<b>Update Date:</b>						
<b>Interest Types:</b>		OTHER HAZARDOUS WASTE ACTIVITIES				
<b>SIC Codes:</b>						
<b>SIC Code Descriptions:</b>						
<b>NAICS Codes:</b>						
<b>NAICS Code Descriptions:</b>						
<b>Conveyor:</b>						
<b>Federal Facility Code:</b>						
<b>Federal Agency Name:</b>						
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b>						
<b>Census Block Code:</b>						
<b>EPA Region Code:</b>		09				
<b>County Name:</b>		LOS ANGELES				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>						
<b>Longitude:</b>						
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>						
<b>Accuracy Value:</b>						
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070406832">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070406832</a>				
<b>Program Acronyms:</b>						
RCRAINFO:CAC002984547						

<a href="#">23</a>	1 of 3	W	0.01 / 35.13	13.20 / -1	RETIREMENT HOUSING FOUNDATION 911 STUDEBAKER ROAD LONG BEACH CA 90815	LUST
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<b>Global ID:</b>	T0603795885	<b>County:</b>	LOS ANGELES
<b>Status:</b>	COMPLETED - CASE CLOSED	<b>Latitude:</b>	33.779747
<b>Status Date:</b>	12/11/2013	<b>Longitude:</b>	-118.103003
<b>Case Type:</b>	LUST CLEANUP SITE		

**LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail**

<b>RB Case No:</b>		<b>Potential COC:</b>	
<b>Local Case No:</b>	TTPR0023557	<b>How Discovered:</b>	
<b>Begin Date:</b>	11/4/1977	<b>Stop Method:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Lead Agency:</b>	SWRCB				<b>Stop Description:</b>	
<b>Local Agency:</b>					<b>Case Worker:</b>	MC
<b>CUF Case:</b>	NO				<b>Military DoD Site:</b>	No
<b>CalEnvScreen Score:</b>					<b>Leak Reported Dt:</b>	1999-07-01 00:00:00
<b>EPA Region:</b>	9				<b>No Further Action Dt:</b>	2013-12-11 00:00:00
<b>Qty Rlsd Gallons:</b>						
<b>Calenviroscreen 4 Score:</b>		15-20%				
<b>Facility Project Sub Type:</b>						
<b>Calenviroscreen 3 Score:</b>		41-45%				
<b>Potential Media of Concern:</b>		Soil				
<b>How Discovered Description:</b>						
<b>Calwater Watershed Name:</b>		San Gabriel River - Lower San Gabriel - Central (Split) (405.15)				
<b>DWR GW Subbasin Name:</b>		Coastal Plain Of Los Angeles - Central (4-011.04)				
<b>Disadvantaged Community:</b>						
<b>Coordinate Source:</b>		Google Geocode				
<b>Discharge Cause:</b>		Unknown				
<b>Discharge Source:</b>		Tank				
<b>File Location:</b>						
<b>Site History:</b>						

**LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity**

<b>Action Type:</b>	Other
<b>Date :</b>	11/4/1977
<b>Action:</b>	Leak Discovery
<b>Action Type:</b>	Other
<b>Date :</b>	7/1/1999
<b>Action:</b>	Leak Reported
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	4/13/2012
<b>Action:</b>	Closure/No Further Action Letter

**LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts**

<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	320 W. 4TH ST., SUITE 200
<b>Contact Name:</b>	YUE RONG	<b>Email:</b>	yrong@waterboards.ca.gov
<b>City:</b>	Los Angeles	<b>Phone No:</b>	
<b>Organization Name:</b>	LOS ANGELES RWQCB (REGION 4)		
<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	1001 I Street
<b>Contact Name:</b>	MATTHEW COHEN	<b>Email:</b>	matthew.cohen@waterboards.ca.gov
<b>City:</b>	SACRAMENTO	<b>Phone No:</b>	9163415751
<b>Organization Name:</b>	SWRCB		

**LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History**

<b>Status:</b>	Completed - Case Closed
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Status Date:** 12/11/2013

**Status:** Open - Case Begin Date  
**Status Date:** 11/4/1977

**Status:** Open - Site Assessment  
**Status Date:** 3/25/2002

**LUST Sites from GeoTracker Search - Regulatory Profile**

<b>Site Facility Name:</b>	RETIREMENT HOUSING FOUNDATION	<b>Potential COC:</b>	
<b>Site Facility Type:</b>	LUST CLEANUP SITE	<b>Facility Type:</b>	
<b>Cleanup Status:</b>	COMPLETED - CASE CLOSED	<b>Composting Method:</b>	
<b>Project Status:</b>		<b>Address:</b>	911 STUDEBAKER ROAD
<b>WDR Place Type:</b>		<b>City:</b>	LONG BEACH
<b>WDR File:</b>		<b>Zip:</b>	90815
<b>WDR Order:</b>		<b>County:</b>	LOS ANGELES
<b>CUF Priority Assig:</b>		<b>CUF Claim:</b>	
<b>CUF Amount Paid:</b>			
<b>File Location:</b>			
<b>Designated Beneficial Use:</b>	MUN, AGR, IND, PROC		
<b>Project Oversight Agencies:</b>			
<b>Report Link:</b>	<a href="https://geotracker.waterboards.ca.gov/profile_report?global_id=T0603795885">https://geotracker.waterboards.ca.gov/profile_report?global_id=T0603795885</a>		
<b>Cleanup Status Detail:</b>	COMPLETED - CASE CLOSED AS OF 12/11/2013		
<b>Cleanup History Link:</b>	<a href="https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0603795885&amp;tabname=regulatoryhistory">https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0603795885&amp;tabname=regulatoryhistory</a>		
<b>Potential Media of Concern:</b>	SOIL		
<b>User Defined Beneficial Use:</b>			
<b>DWR GW Sub Basin:</b>	Coastal Plain Of Los Angeles - Central (4-011.04)		
<b>Calwater Watershed Name:</b>	San Gabriel River - Lower San Gabriel - Central (Split) (405.15)		
<b>Post Closure Site Management:</b>			
<b>Future Land Use:</b>			
<b>Cleanup Oversight Agencies:</b>	SWRCB (LEAD) CASEWORKER: MATTHEW COHEN LONG BEACH, CITY OF - CASE #: TTPR0023557 LOS ANGELES RWQCB (REGION 4) CASEWORKER: YUE RONG		
<b>Gndwater Monitoring Freque:</b>			
<b>Designated Beneficial Use Desc:</b>	Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply		
<b>Site History:</b>			

No site history available

**LUST Sites from GeoTracker Search - Cleanup Status History**

**Status:** Open - Site Assessment  
**Date :** 3/25/2002

**Status:** Open - Case Begin Date  
**Date :** 11/4/1977

**Status:** Completed - Case Closed

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Date : 12/11/2013

**Sites from GeoTracker Search - Regulatory Activities (as of May 27, 2022)**

**Action Type:** Other Regulatory Actions  
**Action Date:** 4/13/2012  
**Received Issue Date:** 4/13/2012  
**Action:** Closure/No Further Action Letter  
**Doc Link:** [https://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=T0603795885&enforcement\\_id=6175059&temptable=ENFORCEMENT](https://geotracker.waterboards.ca.gov/view_documents?global_id=T0603795885&enforcement_id=6175059&temptable=ENFORCEMENT)

**Title Description Comments:**

No Further Action Letter

**Action Type:** Leak Action  
**Action Date:** 7/1/1999  
**Received Issue Date:**  
**Action:** Leak Reported  
**Doc Link:**

**Title Description Comments:**

**Action Type:** Leak Action  
**Action Date:** 11/4/1977  
**Received Issue Date:**  
**Action:** Leak Discovery  
**Doc Link:**

**Title Description Comments:**

**Sites from GeoTracker Search - Documents (as of May 27, 2022)**

**Document Type:** Site Documents **Size :**  
**Document Date:** 4/13/2012 **Submitted By:** (REGULATOR)  
**Type:** CLOSURE/NO FURTHER ACTION LETTER **Submitted:**  
**Title:** NO FURTHER ACTION LETTER  
**Title Link:** [https://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=T0603795885&enforcement\\_id=6175059](https://geotracker.waterboards.ca.gov/view_documents?global_id=T0603795885&enforcement_id=6175059)

<a href="#">23</a>	2 of 3	W	0.01 / 35.13	13.20 / -1	PERKOWITZ & RUTH ARCHITECTS, INC. 911 STUDEBAKER RD LONG BEACH CA 908150000	HAZNET
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<b>SIC Code:</b>		<b>Mailing City:</b>	LONG BEACH
<b>NAICS Code:</b>		<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAC001489256	<b>Mailing Zip:</b>	908150000
<b>Create Date:</b>	12/30/1998	<b>Region Code:</b>	3
<b>Fac Act Ind:</b>	No	<b>Owner Name:</b>	PERKOWITZ & RUTH ARCHITECTS IN
<b>Inact Date:</b>	10/25/2000	<b>Owner Addr 1:</b>	911 STUDEBAKER RD
<b>County Code:</b>	19	<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles	<b>Owner City:</b>	LONG BEACH
<b>Mail Name:</b>		<b>Owner State:</b>	CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Mailing Addr 1:</b>	911 STUDEBAKER RD				<b>Owner Zip:</b> 908150000	
<b>Mailing Addr 2:</b>					<b>Owner Phone:</b> 5625949333	
<b>Owner Fax:</b>						
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>DTSC Handler Profile url:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC001489256">https://hwts.dtsc.ca.gov/facility/CAC001489256</a>					

<a href="#">23</a>	3 of 3	W	0.01 / 35.13	13.20 / -1	RETIREMENT HOUSING FOUNDATION 911 STUDEBAKER ROAD LONG BEACH CA 90815	FINDS/FRS
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**Registry ID:** 110065304744  
**FIPS Code:**  
**HUC Code:** 18070106  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 10-OCT-15  
**Update Date:**  
**Interest Types:** STATE MASTER  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:** FRS-GEOCODE  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:** 46  
**Census Block Code:** 060375745002022  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:** 33.77972  
**Longitude:** -118.103022  
**Reference Point:** ENTRANCE POINT OF A FACILITY OR STATION  
**Coord Collection Method:** ADDRESS MATCHING-HOUSE NUMBER  
**Accuracy Value:** 50  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110065304744](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065304744)  
**Program Acronyms:**  
 CA-ENVIROVIEW:255649

<a href="#">24</a>	1 of 1	WSW	0.00 / 20.06	12.25 / -2	CARLEN ENTERPRISES 1000 N. STUDEBAKER RD. LONG BEACH CA 90815-	FINDS/FRS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Registry ID:</b>		110022300794				
<b>FIPS Code:</b>		06037				
<b>HUC Code:</b>		18070106				
<b>Site Type Name:</b>		STATIONARY				
<b>Location Description:</b>						
<b>Supplemental Location:</b>						
<b>Create Date:</b>		27-MAY-05				
<b>Update Date:</b>		20-FEB-08				
<b>Interest Types:</b>		COMPLIANCE ACTIVITY				
<b>SIC Codes:</b>						
<b>SIC Code Descriptions:</b>						
<b>NAICS Codes:</b>						
<b>NAICS Code Descriptions:</b>						
<b>Conveyor:</b>		FRS-GEOCODE				
<b>Federal Facility Code:</b>						
<b>Federal Agency Name:</b>						
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b>		46				
<b>Census Block Code:</b>		060375745002011				
<b>EPA Region Code:</b>		09				
<b>County Name:</b>		LOS ANGELES				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>		33.780256				
<b>Longitude:</b>		-118.102766				
<b>Reference Point:</b>		ENTRANCE POINT OF A FACILITY OR STATION				
<b>Coord Collection Method:</b>		ADDRESS MATCHING-HOUSE NUMBER				
<b>Accuracy Value:</b>		50				
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110022300794">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110022300794</a>				
<b>Program Acronyms:</b>						
NCDB:I09#200402034356 2						

<a href="#">25</a>	1 of 1	W	0.02 / 85.80	11.50 / -3	S S MECHANICAL INC 6630 EAST ANAHEIM RD LONG BEACH CA 90815	HAZ GEN
<b>Epa ID:</b>	CAC002604978			<b>Facility County:</b>	19	
<b>Address 2:</b>				<b>County:</b>	Los Angeles	
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002604978">https://hwts.dtsc.ca.gov/facility/CAC002604978</a>					

<a href="#">26</a>	1 of 1	NW	0.04 / 193.64	10.82 / -3	6702 EAST MANTOVA STREET LONG BEACH CA	ERNS
<b>NRC Report No:</b>	549122			<b>Latitude Degrees:</b>		
<b>Type of Incident:</b>	FIXED			<b>Latitude Minutes:</b>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Incident Cause:</b>	DUMPING				<b>Latitude Seconds:</b>	
<b>Incident Date:</b>	11/24/2000 2:00:00 PM				<b>Longitude Degrees:</b>	
<b>Incident Location:</b>	RESIDENTIAL HOME BEING RESTORED				<b>Longitude Minutes:</b>	
<b>Incident Dtg:</b>	OCCURRED				<b>Longitude Seconds:</b>	
<b>Distance from City:</b>					<b>Lat Quad:</b>	
<b>Distance Units:</b>					<b>Long Quad:</b>	
<b>Direction from City:</b>					<b>Location Section:</b>	
<b>Location County:</b>	LOS ANGELES				<b>Location Township:</b>	
<b>Potential Flag:</b>					<b>Location Range:</b>	
<b>Year:</b>	Year 2000 Reports					
<b>Description of Incident:</b>	THE COMPANY DUMPED THE MATERIAL INTO THE STREET AND LET IT RUN INTO THE STORM DRAIN. THIS IS THE SECOND INCIDENT WITHIN THE WEEK.					

**Material Spill Information**

<b>Chris Code:</b>	ODS	<b>Unit of Measure:</b>	UNKNOWN AMOUNT
<b>CAS No:</b>	000000-00-0	<b>If Reached Water:</b>	YES
<b>UN No:</b>		<b>Amount in Water:</b>	0
<b>Name of Material:</b>	OIL: DIESEL	<b>Unit Reach Water:</b>	UNKNOWN AMOUNT
<b>Amount of Material:</b>	0		

**Calls Information**

<b>Date Time Received:</b>	11/25/2000 2:58:55 PM	<b>Responsible City:</b>	LONG BEACH
<b>Date Time Complete:</b>	11/25/2000 3:09:43 PM	<b>Responsible State:</b>	CA
<b>Call Type:</b>	INC	<b>Responsible Zip:</b>	
<b>Resp Company:</b>	BEACON CONCRTE	<b>Source:</b>	UNAVAILABLE
<b>Resp Org Type:</b>	PRIVATE ENTERPRISE		

**Incident Information**

<b>Tank ID:</b>		<b>Building ID:</b>	
<b>Tank Regulated:</b>	U	<b>Location Area ID:</b>	
<b>Tank Regulated By:</b>		<b>Location Block ID:</b>	
<b>Capacity of Tank:</b>		<b>OCSG No:</b>	
<b>Capacity Tank Units:</b>		<b>OCSP No:</b>	
<b>Description of Tank:</b>		<b>State Lease No:</b>	
<b>Actual Amount:</b>		<b>Pier Dock No:</b>	
<b>Actual Amount Units:</b>		<b>Berth Slip No:</b>	
<b>Tank Above Ground:</b>	ABOVE	<b>Brake Failure:</b>	N
<b>NPDES:</b>		<b>Airbag Deployed:</b>	
<b>NPDES Compliance:</b>	U	<b>Transport Contain:</b>	U
<b>Init Contin Rel No:</b>		<b>Location Subdiv:</b>	
<b>Contin Rel Permit:</b>		<b>Platform Rig Name:</b>	
<b>Contin Release Type:</b>		<b>Platform Letter:</b>	
<b>Aircraft ID:</b>		<b>Allision:</b>	N
<b>Aircraft Runway No:</b>		<b>Type of Structure:</b>	
<b>Aircraft Spot No:</b>		<b>Structure Name:</b>	
<b>Aircraft Type:</b>	UNKNOWN	<b>Structure Oper:</b>	U
<b>Aircraft Model:</b>		<b>Transit Bus Flag:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Aircraft Fuel Cap:					Date Time Norm Serv:	
Aircraft Fuel Cap U:					Serv Disrupt Time:	
Aircraft Fuel on Brd:					Serv Disrupt Units:	
Aircraft Fuel OB U:					CR Begin Date:	
Aircraft Hanger:					CR End Date:	
Road Mile Marker:					CR Change Date:	
Power Gen Facility:	N				FBI Contact:	
Generating Capacity:					FBI Contact Dt Tm:	
Type of Fixed Obj:	OTHER				Passenger Handling:	
Type of Fuel:					Passenger Route:	XXX
DOT Crossing No:					Passenger Delay:	XXX
DOT Regulated:	U				Sub Part C Test Req:	XXX
Pipeline Type:					Conductor Test:	
Pipeline Abv Ground:	ABOVE				Engineer Test:	
Pipeline Covered:	U				Trainman Test:	
Exposed Underwater:	N				Yard Foreman Test:	
Railroad Hotline:					RCL Operator Test:	
Railroad Milepost:					Brakeman Test:	
Grade Crossing:	N				Train Dispat Test:	
Crossing Device Ty:					Signalman Test:	
Ty Vehicle Involved:					Oth Employee Test:	
Device Operational:	Y				Unknown Test:	

**Incident Details Information**

Release Secured:	U				State Agen Report No:	
Release Rate:					State Agen on Scene:	
Release Rate Unit:					State Agen Notified:	
Release Rate Rate:					Fed Agency Notified:	
Est Duration of Rel:					Oth Agency Notified:	
Desc Remedial Act:	NONE TAKEN				Body of Water:	STORM DRAIN
Fire Involved:	N				Tributary of:	UNKNOWN
Fire Extinguished:	U				Near River Mile Make:	
Any Evacuations:	N				Near River Mile Mark:	
No Evacuated:					Offshore:	N
Who Evacuated:					Weather Conditions:	CLEAR
Radius of Evacu:					Air Temperature:	
Any Injuries:	N				Wind Direction:	
No. Injured:					Wind Speed:	
No. Hospitalized:					Wind Speed Unit:	
No. Fatalities:					Water Supp Contam:	N
Any Fatalities:	N				Water Temperature:	
Any Damages:	N				Wave Condition:	
Damage Amount:					Current Speed:	
Air Corridor Closed:	N				Current Direction:	
Air Corridor Desc:					Current Speed Unit:	
Air Closure Time:					EMPL Fatality:	
Waterway Closed:	N				Pass Fatality:	
Waterway Desc:					Community Impact:	N
Waterway Close Time:					Passengers Transfer:	UNK
Road Closed:	N				Passenger Injuries:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Road Desc:</b>					<b>Employee Injuries:</b>	
<b>Road Closure Time:</b>					<b>Occupant Fatality:</b>	
<b>Road Closure Units:</b>					<b>Sheen Size:</b>	
<b>Closure Direction:</b>					<b>Sheen Size Units:</b>	
<b>Major Artery:</b>	No				<b>Sheen Size Length:</b>	
<b>Track Closed:</b>	N				<b>Sheen Size Length U:</b>	
<b>Track Desc:</b>					<b>Sheen Size Width:</b>	
<b>Track Closure Time:</b>					<b>Sheen Size Width U:</b>	
<b>Track Closure Units:</b>					<b>Sheen Color:</b>	
<b>Track Close Dir:</b>					<b>Dir of Sheen Travel:</b>	
<b>Media Interest:</b>	NONE				<b>Sheen Odor Desc:</b>	
<b>Medium Desc:</b>	WATER				<b>Duration Unit:</b>	
<b>Addl Medium Info:</b>	STORM DRAIN				<b>Additional Info:</b>	THE CALLER OBSERVED THE MATERIAL ON THE STREET THEN SPOKE WITH THE RESPONSIBLE PARTY WHO STATED THEY WOULD TAKE ACTION TO CLEAN THE SPILL. THE MATERIAL WAS LEFT IN THE STREET AND ANOTHER SPILL OCCURED SEVERAL DAYS LATER.

<a href="#">27</a>	1 of 1	W	0.02 / 120.40	13.78 / -1	MPR INC 911 STUDEBAKER LONG BEACH CA 908150000	HAZNET
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<b>SIC Code:</b>		<b>Mailing City:</b>	LONG BEACH
<b>NAICS Code:</b>		<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAL000159665	<b>Mailing Zip:</b>	908154948
<b>Create Date:</b>	10/13/1995	<b>Region Code:</b>	3
<b>Fac Act Ind:</b>	No	<b>Owner Name:</b>	MPR INC
<b>Inact Date:</b>	6/30/1999	<b>Owner Addr 1:</b>	911 N STUDEBAKER RD
<b>County Code:</b>	19	<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles	<b>Owner City:</b>	LONG BEACH
<b>Mail Name:</b>		<b>Owner State:</b>	CA
<b>Mailing Addr 1:</b>	911 N STUDEBAKER RD	<b>Owner Zip:</b>	908154948
<b>Mailing Addr 2:</b>		<b>Owner Phone:</b>	0000000000
<b>Owner Fax:</b>			

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>

**DTSC Handler Profile url:** <https://hwts.dtsc.ca.gov/facility/CAL000159665>

<a href="#">28</a>	1 of 1	SW	0.09 / 458.63	11.72 / -3	ANDY OLIVER 865 KALLIN AVENUE LONG BEACH CA 90815	RCRA NON GEN
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<b>EPA Handler ID:</b>	CAC003096588
<b>Gen Status Universe:</b>	No Report
<b>Contact Name:</b>	ANDY OLIVER
<b>Contact Address:</b>	865 KALLIN AVENUE , , LONG BEACH , CA, 90815 ,
<b>Contact Phone No and Ext:</b>	714-777-7777
<b>Contact Email:</b>	KARLA@SUPERIORENV.COM
<b>Contact Country:</b>	
<b>County Name:</b>	LOS ANGELES
<b>EPA Region:</b>	09

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Land Type:**

**Receive Date:** 20201210  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20201210  
**Handler Name:** ANDY OLIVER  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 865 KALLIN AVENUE
<b>Name:</b> ANDY OLIVER	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 714-777-7777	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815
<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 865 KALLIN AVENUE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Name:	ANDY OLIVER	Street 2:				
Date Became Current:		City:			LONG BEACH	
Date Ended Current:		State:			CA	
Phone:	714-777-7777	Country:				
Source Type:	Implementer	Zip Code:			90815	

<a href="#">29</a>	1 of 2	S	0.20 / 1,066.69	14.17 / 0	CHRIS SULSONA 845 STEVELY AVE LONG BEACH CA 90815	RCRA NON GEN
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**EPA Handler ID:** CAC003023104  
**Gen Status Universe:** No Report  
**Contact Name:** CHRIS SULSONA  
**Contact Address:** 845 STEVELY AVE , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 310-863-1957  
**Contact Email:** MANIFEST.SIRRIS@GMAIL.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20190709  
**Location Latitude:** 33.777885  
**Location Longitude:** -118.098842

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20190709

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Handler Name:** CHRIS SULSONA  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	845 STEVELY AVE
<b>Name:</b>	CHRIS SULSONA	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	310-863-1957	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	845 STEVELY AVE
<b>Name:</b>	CHRIS SULSONA	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	310-863-1957	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<a href="#">29</a>	2 of 2	S	0.20 / 1,066.69	14.17 / 0	CHRIS SULSONA 845 STEVELY AVE LONG BEACH CA 90815	<a href="#">FINDS/FRS</a>
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**Registry ID:** 110070586556  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 20-AUG-19  
**Update Date:**  
**Interest Types:** OTHER HAZARDOUS WASTE ACTIVITIES  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Longitude:

Reference Point:

Coord Collection Method:

Accuracy Value:

Datum: NAD83

Source:

Facility Detail Rprt URL: [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070586556](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070586556)

Program Acronyms:

RCRAINFO:CAC003023104

<a href="#">30</a>	1 of 4	W	0.03 / 172.83	11.53 / -3	6560 E ANAHEIM RD LONG BEACH CA 90815	HMS LA
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Site No: 010782

Area: 1C

Detail Info

Permit No:

Permit Cat Desc:

Status Code: OPEN

Status Desc: File Opened, no permit exists

Permit Status Desc:

Permit Type:

Permit Type Desc:

Permit Status Code:

Permit Category:

File No: 010742

File Name: LA CO DPW SWMD LOS ALTOS PP

<a href="#">30</a>	2 of 4	W	0.03 / 172.83	11.53 / -3	LA County Public Works 6560 E Anaheim RD Long Beach CA	UST LONGB
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Status: Removed of Fenced Sites

Closed:

Closing:

Test Spill:

Forms:

Flag: n/a

Sumps:

UST: 1

Gas:

Diesel:

Waste:

Jet A:

Avgas:

Oil:

D Gen: 1x1k

Other:

Dwp: y

Dwt: y

Monitor: Veeder 300

Disp Pan: n/a

2002 Mn Tst Co: \*\*\*\*\*

2003 Mn Tst Co: Ed's Maintenance

2005 Mn Tst Co:

2006 Mn Tst Co:

2004 MC Annual:

2005 MC Annual: 7/5/2005

2006 MC Annual:

Next MC Due Date: 7/5/2006

2005 Insp Cmp: SEE NOTES

2006 Insp Cmp:

NOV Crrctn Dt Gvn:

NOV Crctn Dt Gv2:

RFS Complete:

RFS Complete2:

SB 989 Tester: Ed's Maint

SB 989 Tested: 2/6/2003

SB 989 Passed:

Tank Owners: L.A. County Public Works

Contact: Frederick Kuhnow

Phone: 861-0316

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Disp Monit:</b>	n/a				<b>Fax:</b> 861-3957	
<b>Violations 2002:</b>					<b>BIS:</b>	
<b>Violations 2003:</b>	1,2,16				<b>Dsgntd Operator Nm:</b> Bill Duree/ Tait & Assoc	
<b>Violations 2005:</b>					<b>Dsgntd Op Ph No:</b> 714-560-8689	
<b>Violations 2006:</b>						
<b>Unique Site Conditions:</b>						
<b>Message Center:</b>						
<b>Comments:</b>		MC 2005 Done, PENDING REMOVAL FEB 2006				

<a href="#">30</a>	3 of 4	W	0.03 / 172.83	11.53 / -3	LA County Public Works 6560 E Anaheim RD Long Beach CA	UST LONGB
<b>Status:</b>	Removed of Fenced Sites				<b>2002 Mn Tst Co:</b> *****	
<b>Closed:</b>					<b>2003 Mn Tst Co:</b> Ed's Maintenance	
<b>Closing:</b>					<b>2005 Mn Tst Co:</b>	
<b>Test Spill:</b>					<b>2006 Mn Tst Co:</b>	
<b>Forms:</b>					<b>2004 MC Annual:</b>	
<b>Flag:</b>	n/a				<b>2005 MC Annual:</b> 7/6/2006	
<b>Sumps:</b>					<b>2006 MC Annual:</b>	
<b>UST:</b>	1				<b>Next MC Due Date:</b> 7/5/2006	
<b>Gas:</b>					<b>2005 Insp Cmp:</b> SEE NOTES	
<b>Diesel:</b>					<b>2006 Insp Cmp:</b>	
<b>Waste:</b>					<b>NOV Crrctn Dt Gvn:</b>	
<b>Jet A:</b>					<b>NOV Crctn Dt Gv2:</b>	
<b>Avgas:</b>					<b>RFS Complete:</b>	
<b>Oil:</b>					<b>RFS Complete2:</b>	
<b>D Gen:</b>	1x1k				<b>SB 989 Tester:</b> Ed's Maint	
<b>Other:</b>					<b>SB 989 Tested:</b> 2/6/2003	
<b>Dwp:</b>	y				<b>SB 989 Passed:</b>	
<b>Dwt:</b>	y				<b>Tank Owners:</b> L.A. County Public Works	
<b>Monitor:</b>	Veeder 300				<b>Contact:</b> Frederick Kuhnaw	
<b>Disp Pan:</b>	n/a				<b>Phone:</b> 861-0316	
<b>Disp Monit:</b>	n/a				<b>Fax:</b> 861-3957	
<b>Violations 2002:</b>					<b>BIS:</b>	
<b>Violations 2003:</b>	1,2,16				<b>Dsgntd Operator Nm:</b> Bill Duree/ Tait & Assoc	
<b>Violations 2005:</b>					<b>Dsgntd Op Ph No:</b> 714-560-8689	
<b>Violations 2006:</b>						
<b>Unique Site Conditions:</b>						
<b>Message Center:</b>						
<b>Comments:</b>		MC 2005 Done, PENDING REMOVAL FEB 2006				

<a href="#">30</a>	4 of 4	W	0.03 / 172.83	11.53 / -3	L A COUNTY PUBLIC WORKS/FLOOD MAINT. 6560 E ANAHEIM RD LONG BEACH CA 908150000	HAZ GEN
<b>Epa ID:</b>	CAC001225184				<b>Facility County:</b> 19	
<b>Address 2:</b>					<b>County:</b> Los Angeles	
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Handler Profile URL: <https://hwts.dtsc.ca.gov/facility/CAC001225184>

<a href="#">31</a>	1 of 2	SSW	0.13 / 678.37	12.01 / -2	LYNN GAY 845 ROXANNE AVENUE LONG BEACH CA 90815	RCRA NON GEN
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EPA Handler ID: CAC002993484  
 Gen Status Universe: No Report  
 Contact Name: LYNN GAY  
 Contact Address: 845 ROXANNE AVENUE , , LONG BEACH , CA, 90815 ,  
 Contact Phone No and Ext: 562-857-2504  
 Contact Email: CRISTAL.TEECOR@YAHOO.COM  
 Contact Country:  
 County Name: LOS ANGELES  
 EPA Region: 09  
 Land Type:  
 Receive Date: 20181218  
 Location Latitude: 33.778061  
 Location Longitude: -118.100505

**Violation/Evaluation Summary**

Note: NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

Importer Activity: No  
 Mixed Waste Generator: No  
 Transporter Activity: No  
 Transfer Facility: No  
 Onsite Burner Exemption: No  
 Furnace Exemption: No  
 Underground Injection Activity: No  
 Commercial TSD: No  
 Used Oil Transporter: No  
 Used Oil Transfer Facility: No  
 Used Oil Processor: No  
 Used Oil Refiner: No  
 Used Oil Burner: No  
 Used Oil Market Burner: No  
 Used Oil Spec Marketer: No

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 20181218  
 Handler Name: LYNN GAY  
 Source Type: Implementer  
 Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	845 ROXANNE AVENUE
<b>Name:</b>	LYNN GAY	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-857-2504	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	845 ROXANNE AVENUE
<b>Name:</b>	LYNN GAY	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-857-2504	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<a href="#">31</a>	2 of 2	<b>SSW</b>	<b>0.13 / 678.37</b>	<b>12.01 / -2</b>	<b>LYNN GAY 845 ROXANNE AVENUE LONG BEACH CA 90815</b>	<b>FINDS/FRS</b>
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**Registry ID:** 110070512892  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 21-FEB-19  
**Update Date:**  
**Interest Types:** OTHER HAZARDOUS WASTE ACTIVITIES  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070512892](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070512892)  
**Program Acronyms:**  
 RCRAINFO:CAC002993484

<a href="#">32</a>	1 of 1	SSE	0.21 / 1,114.81	13.14 / -1	JEAN TANAKA 836 STEVELY AVE LONG BEACH CA 90815	HAZ GEN
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**Epa ID:** CAC002673618  
**Address 2:**  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002673618>

<a href="#">33</a>	1 of 1	SW	0.08 / 441.83	11.82 / -2	KYLE GIPSON 856 KALLIN AVENUE LONG BEACH CA 90815	RCRA NON GEN
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**EPA Handler ID:** CAC003068735  
**Gen Status Universe:** No Report  
**Contact Name:** KYLE GIPSON  
**Contact Address:** 856 KALLIN AVENUE , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 714-812-2218  
**Contact Email:** DONNAC@PWSEI.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20200529  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 20200529  
 Handler Name: KYLE GIPSON  
 Source Type: Implementer  
 Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	856 KALLIN AVENUE
<b>Name:</b>	KYLE GIPSON	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	714-812-2218	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	856 KALLIN AVENUE
<b>Name:</b>	KYLE GIPSON	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	714-812-2218	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

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<a href="#">34</a>	1 of 1	NW	0.01 / 31.28	11.42 / -3	FERGUSON, EILEEN 1283 N STUDEBAKER RD LONG BEACH CA 908154831	HAZ GEN
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Epa ID: CAC002709475      Facility County: 19  
 Address 2:      County: Los Angeles  
 Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
 Handler Profile URL: <https://hwts.dtsc.ca.gov/facility/CAC002709475>

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<a href="#">35</a>	1 of 1	S	0.16 / 848.49	12.34 / -2	GEORGE BALDERAS 6861 E ROXANNE WAY LONG BEACH CA 90815	RCRA NON GEN
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EPA Handler ID: CAC003174068  
 Gen Status Universe: No Report

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Contact Name:** GEORGE BALDERAS  
**Contact Address:** 6861 E ROXANNE WAY , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 626-905-4047  
**Contact Email:** CES818@GMAIL.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20220502  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20220502  
**Handler Name:** GEORGE BALDERAS  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6861 E ROXANNE WAY
<b>Name:</b> GEORGE BALDERAS	<b>Street 2:</b>

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Date Became Current:</b>					<b>City:</b> LONG BEACH	
<b>Date Ended Current:</b>					<b>State:</b> CA	
<b>Phone:</b>	626-905-4047				<b>Country:</b>	
<b>Source Type:</b>	Implementer				<b>Zip Code:</b> 90815	
<b>Owner/Operator Ind:</b>		Current Operator			<b>Street No:</b>	
<b>Type:</b>	Other				<b>Street 1:</b> 6861 E ROXANNE WAY	
<b>Name:</b>	GEORGE BALDERAS				<b>Street 2:</b>	
<b>Date Became Current:</b>					<b>City:</b> LONG BEACH	
<b>Date Ended Current:</b>					<b>State:</b> CA	
<b>Phone:</b>	626-905-4047				<b>Country:</b>	
<b>Source Type:</b>	Implementer				<b>Zip Code:</b> 90815	

[36](#) 1 of 1 S 0.17 / 882.85 11.93 / -2 **ROBERT BRIESTER** HAZ GEN  
**6871 E ROXANNE WAY**  
**LONG BEACH CA 908155016**

**Epa ID:** CAC002851778 **Facility County:** 19  
**Address 2:** **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002851778>

[37](#) 1 of 2 SSW 0.13 / 678.97 12.11 / -2 **KIER DELEO** RCRA NON GEN  
**833 ROXANNE AVENUE**  
**LONG BEACH CA 90815**

**EPA Handler ID:** CAC003183756  
**Gen Status Universe:** No Report  
**Contact Name:** KIER DELEO  
**Contact Address:** 833 ROXANNE AVENUE , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 213-494-0136  
**Contact Email:** KIER28@YAHOO.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20220705  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Transfer Facility:</b>		No				
<b>Onsite Burner Exemption:</b>		No				
<b>Furnace Exemption:</b>		No				
<b>Underground Injection Activity:</b>		No				
<b>Commercial TSD:</b>		No				
<b>Used Oil Transporter:</b>		No				
<b>Used Oil Transfer Facility:</b>		No				
<b>Used Oil Processor:</b>		No				
<b>Used Oil Refiner:</b>		No				
<b>Used Oil Burner:</b>		No				
<b>Used Oil Market Burner:</b>		No				
<b>Used Oil Spec Marketer:</b>		No				

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20220705  
**Handler Name:** KIER DELEO  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>	
<b>Type:</b> Other	<b>Street 1:</b>	833 ROXANNE AVENUE
<b>Name:</b> KIER DELEO	<b>Street 2:</b>	
<b>Date Became Current:</b>	<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b>	CA
<b>Phone:</b> 213-494-0136	<b>Country:</b>	
<b>Source Type:</b> Implementer	<b>Zip Code:</b>	90815
<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>	
<b>Type:</b> Other	<b>Street 1:</b>	833 ROXANNE AVENUE
<b>Name:</b> KIER DELEO	<b>Street 2:</b>	
<b>Date Became Current:</b>	<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b>	CA
<b>Phone:</b> 213-494-0136	<b>Country:</b>	
<b>Source Type:</b> Implementer	<b>Zip Code:</b>	90815

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2 of 2

SSW

0.13 /  
678.97

12.11 /  
-2

KIER DELEO  
833 ROXANNE AVE  
LONG BEACH CA 90815

RCRA  
NON GEN

**EPA Handler ID:** CAC003189235  
**Gen Status Universe:** No Report  
**Contact Name:** KIER DELEO  
**Contact Address:** 833 ROXANNE AVE , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 818-446-9908  
**Contact Email:** KDELEO@CITADELENVIRONMENTAL.COM  
**Contact Country:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20220809  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20220809  
**Handler Name:** KIER DELEO  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	833 ROXANNE AVE
<b>Name:</b>	KIER DELEO	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	818-446-9908	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>				
<b>Type:</b>	Other	<b>Street 1:</b>	833 ROXANNE AVE			
<b>Name:</b>	KIER DELEO	<b>Street 2:</b>				
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH			
<b>Date Ended Current:</b>		<b>State:</b>	CA			
<b>Phone:</b>	818-446-9905	<b>Country:</b>				
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815			

<a href="#">38</a>	1 of 1	S	0.17 / 873.52	11.93 / -2	<b>JEAN BAUER 6870 E ROXANNE WAY LONG BEACH CA 908155015</b>	<b>HAZ GEN</b>
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<b>Epa ID:</b>	CAC002721528	<b>Facility County:</b>	19
<b>Address 2:</b>		<b>County:</b>	Los Angeles
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>		
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002721528">https://hwts.dtsc.ca.gov/facility/CAC002721528</a>		

<a href="#">39</a>	1 of 1	S	0.19 / 980.70	12.80 / -1	<b>BATES CARL &amp; CATHY 44-100404 824 STEVELY AVE LONG BEACH CA 90816</b>	<b>HAZ GEN</b>
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<b>Epa ID:</b>	CAC002910559	<b>Facility County:</b>	
<b>Address 2:</b>		<b>County:</b>	
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>		
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002910559">https://hwts.dtsc.ca.gov/facility/CAC002910559</a>		

<a href="#">40</a>	1 of 5	S	0.18 / 931.36	11.56 / -3	<b>RAQUEL BLUMENFIELD 6880 E ROXANNE WAY LONG BEACH CA 90815</b>	<b>RCRA NON GEN</b>
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<b>EPA Handler ID:</b>	CAC003055094
<b>Gen Status Universe:</b>	No Report
<b>Contact Name:</b>	MONICA BLUMENFIELD
<b>Contact Address:</b>	6880 E ROXANNE WAY , , LONG BEACH , CA, 90815 ,
<b>Contact Phone No and Ext:</b>	562-673-8745
<b>Contact Email:</b>	ANAB@PWSEI.COM
<b>Contact Country:</b>	
<b>County Name:</b>	LOS ANGELES
<b>EPA Region:</b>	09
<b>Land Type:</b>	
<b>Receive Date:</b>	20200210
<b>Location Latitude:</b>	
<b>Location Longitude:</b>	

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20200210  
**Handler Name:** RAQUEL BLUMENFIELD  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6880 E ROXANNE WAY
<b>Name:</b> MONICA BLUMENFIELD	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-673-8745	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6880 E ROXANNE WAY
<b>Name:</b> RAQUEL BLUMENFIELD	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-673-8745	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

<a href="#">40</a>	2 of 5	S	0.18 / 931.36	11.56 / -3	RAQUEL BLUMENFIELD 6880 E ROXANNE WAY LONG BEACH CA 90815	RCRA NON GEN
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**EPA Handler ID:** CAC003055228  
**Gen Status Universe:** No Report

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
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**Contact Name:** RAQUEL BLUMENFIELD  
**Contact Address:** 6880 E ROXANNE WAY , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 562-673-8745  
**Contact Email:** KRISTINE.RAMOS@PEAS1.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20200210  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20200210  
**Handler Name:** RAQUEL BLUMENFIELD  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6880 E ROXANNE WAY
<b>Name:</b>	RAQUEL BLUMENFIELD	<b>Street 2:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Date Became Current:</b>				<b>City:</b>	LONG BEACH	
<b>Date Ended Current:</b>				<b>State:</b>	CA	
<b>Phone:</b>	562-673-8745			<b>Country:</b>		
<b>Source Type:</b>	Implementer			<b>Zip Code:</b>	90815	
<b>Owner/Operator Ind:</b>				<b>Street No:</b>		
<b>Type:</b>	Other			<b>Street 1:</b>	6880 E ROXANNE WAY	
<b>Name:</b>	RAQUEL BLUMENFIELD			<b>Street 2:</b>		
<b>Date Became Current:</b>				<b>City:</b>	LONG BEACH	
<b>Date Ended Current:</b>				<b>State:</b>	CA	
<b>Phone:</b>	562-673-8745			<b>Country:</b>		
<b>Source Type:</b>	Implementer			<b>Zip Code:</b>	90815	

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0.18 /  
931.36

11.56 /  
-3

**MONICA OR RAQUEL  
BLUMENFIELD  
6880 E ROXANNE WAY  
LONG BEACH CA 90815-5015**

**RCRA  
NON GEN**

**EPA Handler ID:** CAC003057533  
**Gen Status Universe:** No Report  
**Contact Name:** MONICA OR RAQUEL BLUMENFIELD  
**Contact Address:** 6880 E ROXANNE WAY , , LONG BEACH , CA, 90815-5015 ,  
**Contact Phone No and Ext:** 562-673-8745  
**Contact Email:** NANCYRUIZ@ALLIANCE-ENVIRO.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20200225  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20200225  
**Handler Name:** MONICA OR RAQUEL BLUMENFIELD  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6880 E ROXANNE WAY
<b>Name:</b>	MONICA OR RAQUEL BLUMENFIELD	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-673-8745	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815-5015

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6880 E ROXANNE WAY
<b>Name:</b>	MONICA OR RAQUEL BLUMENFIELD	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-673-8745	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815-5015

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0.18 /  
931.36

11.56 /  
-3

RAQUEL BLUMENFIELD  
6880 E ROXANNE WAY  
LONG BEACH CA 90815

[FINDS/FRS](#)

**Registry ID:** 110070726804  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 03-MAY-20  
**Update Date:**  
**Interest Types:** UNSPECIFIED UNIVERSE  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b>						
<b>Census Block Code:</b>						
<b>EPA Region Code:</b>		09				
<b>County Name:</b>		LOS ANGELES				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>						
<b>Longitude:</b>						
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>						
<b>Accuracy Value:</b>						
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070726804				
<b>Program Acronyms:</b>						
RCRAINFO:CAC003055094, RCRAINFO:CAC003055228						

<a href="#">40</a>	5 of 5	S	0.18 / 931.36	11.56 / -3	MONICA OR RAQUEL BLUMENFIELD 6880 E ROXANNE WAY LONG BEACH CA 90815	<a href="#">FINDS/FRS</a>
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**Registry ID:** 110070807526  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 10-JUN-20  
**Update Date:** 23-SEP-20  
**Interest Types:** UNSPECIFIED UNIVERSE  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Accuracy Value:**

**Datum:** NAD83

**Source:**

**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070807526](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070807526)

**Program Acronyms:**

RCRAINFO:CAC003057533

<a href="#">41</a>	1 of 1	N	0.07 / 360.52	12.39 / -2	GRUNEWALD, CARMEN 6825 E. ESPANITA ST. LONG BEACH CA 90815	HAZ GEN
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**Epa ID:** CAC002843618

**Facility County:** 19

**Address 2:** **County:** Los Angeles

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>

**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002843618>

<a href="#">42</a>	1 of 1	SSW	0.08 / 414.20	10.83 / -3	HUE DANG 833 KALLIN AVE LONG BEACH CA 90815	HAZ GEN
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**Epa ID:** CAC002868293

**Facility County:** 19

**Address 2:** **County:** Los Angeles

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>

**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002868293>

<a href="#">43</a>	1 of 2	NNE	0.17 / 918.82	12.06 / -2	DEBORAH DELFS 6920 E DRISCOLL ST LONG BEACH CA 90815-4809	RCRA NON GEN
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**EPA Handler ID:** CAC003029887

**Gen Status Universe:** No Report

**Contact Name:** DEBORAH DELFS

**Contact Address:** 6920 E DRISCOLL ST , , LONG BEACH , CA, 90815-4809 ,

**Contact Phone No and Ext:** 562-884-5490

**Contact Email:** KRISTINAR@PWSEI.COM

**Contact Country:**

**County Name:** LOS ANGELES

**EPA Region:** 09

**Land Type:**

**Receive Date:** 20190819

**Location Latitude:**

**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20190819  
**Handler Name:** DEBORAH DELFS  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6920 E DRISCOLL ST
<b>Name:</b>	DEBORAH DELFS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-884-5490	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815-4809

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6920 E DRISCOLL ST
<b>Name:</b>	DEBORAH DELFS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-884-5490	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815-4809

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**NNE**

0.17 /  
918.82

12.06 /  
-2

**DEBORAH DELFS  
6920 E DRISCOLL ST  
LONG BEACH CA 90815-4809**

**FINDS/FRS**

**Registry ID:** 110070661070

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<b>FIPS Code:</b>		06037				
<b>HUC Code:</b>						
<b>Site Type Name:</b>		STATIONARY				
<b>Location Description:</b>						
<b>Supplemental Location:</b>						
<b>Create Date:</b>		26-NOV-19				
<b>Update Date:</b>						
<b>Interest Types:</b>		UNSPECIFIED UNIVERSE				
<b>SIC Codes:</b>						
<b>SIC Code Descriptions:</b>						
<b>NAICS Codes:</b>						
<b>NAICS Code Descriptions:</b>						
<b>Conveyor:</b>						
<b>Federal Facility Code:</b>						
<b>Federal Agency Name:</b>						
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b>						
<b>Census Block Code:</b>						
<b>EPA Region Code:</b>		09				
<b>County Name:</b>		LOS ANGELES				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>						
<b>Longitude:</b>						
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>						
<b>Accuracy Value:</b>						
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070661070				
<b>Program Acronyms:</b>						
RCRAINFO:CAC003029887						

<a href="#">44</a>	1 of 1	<b>NNE</b>	<b>0.20 / 1,039.84</b>	<b>12.08 / -2</b>	<b>SHERRY SPAN 6934 E DRISCOLL STREET LONG BEACH CA 90815</b>	<b>RCRA NON GEN</b>
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<b>EPA Handler ID:</b>	CAC003120662
<b>Gen Status Universe:</b>	No Report
<b>Contact Name:</b>	SHERRY SPAN
<b>Contact Address:</b>	6934 E DRISCOLL STREET , , LONG BEACH , CA, 90815 ,
<b>Contact Phone No and Ext:</b>	562-822-7429
<b>Contact Email:</b>	SHERRY.SPAN@GMAIL.COM
<b>Contact Country:</b>	
<b>County Name:</b>	LOS ANGELES
<b>EPA Region:</b>	09
<b>Land Type:</b>	
<b>Receive Date:</b>	20210520
<b>Location Latitude:</b>	
<b>Location Longitude:</b>	

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20210520  
**Handler Name:** SHERRY SPAN  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6934 E DRISCOLL STREET
<b>Name:</b> SHERRY SPAN	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-822-7429	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6934 E DRISCOLL STREET
<b>Name:</b> SHERRY SPAN	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-822-7429	<b>Country:</b>

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Source Type:	Implementer			Zip Code:	90815	

<a href="#">45</a>	1 of 1	NNE	0.13 / 670.67	12.34 / -2	PATRICIA & STEVE WILLIAMS 6854 E DRISCOLL ST LONG BEACH CA 90815	RCRA NON GEN
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**EPA Handler ID:** CAC003072165  
**Gen Status Universe:** No Report  
**Contact Name:** PATRICIA & STEVE WILLIAMS  
**Contact Address:** 6854 E DRISCOLL ST , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 562-212-1801  
**Contact Email:** GENEVADEGUIRE@ALLIANCE-ENVIRO.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20200624  
**Location Latitude:**  
**Location Longitude:**

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20200624  
**Handler Name:** PATRICIA & STEVE WILLIAMS  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6854 E DRISCOLL ST
<b>Name:</b>	PATRICIA & STEVE WILLIAMS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-212-1801	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6854 E DRISCOLL ST
<b>Name:</b>	PATRICIA & STEVE WILLIAMS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-212-1801	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<a href="#">46</a>	1 of 1	NE	0.22 / 1,165.14	11.86 / -2	DAVID YZIAS 6946 E DRISCOLL AVE LONG BEACH CA 90815	HAZ GEN
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<b>Epa ID:</b>	CAC002941895	<b>Facility County:</b>	19
<b>Address 2:</b>		<b>County:</b>	Los Angeles
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>		
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002941895">https://hwts.dtsc.ca.gov/facility/CAC002941895</a>		

<a href="#">47</a>	1 of 1	SW	0.03 / 160.52	12.14 / -2	LINDA DAVIS 850 LEES AVE LONG BEACH CA 90815	HAZ GEN
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<b>Epa ID:</b>	CAC002799609	<b>Facility County:</b>	19
<b>Address 2:</b>		<b>County:</b>	Los Angeles
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>		
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002799609">https://hwts.dtsc.ca.gov/facility/CAC002799609</a>		

<a href="#">48</a>	1 of 1	NE	0.22 / 1,160.87	12.32 / -2	JONATHAN BRIMLEY 6947 E DRISCOLL ST LONG BEACH CA 908154810	HAZ GEN
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<b>Epa ID:</b>	CAC002869593	<b>Facility County:</b>	19
<b>Address 2:</b>		<b>County:</b>	Los Angeles
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>		
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002869593">https://hwts.dtsc.ca.gov/facility/CAC002869593</a>		

<a href="#">49</a>	1 of 1	SW	0.03 / 160.34	12.88 / -1	KATHERINE MALONE 846 LEES AVENUE LONG BEACH CA 90815	HAZ GEN
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Epa ID:** CAC002907823 **Facility County:** 19  
**Address 2:** **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002907823>

<a href="#">50</a>	1 of 2	WSW	0.07 / 357.72	14.29 / 0	HILL MIDDLE SCHOOL GYMNASIUM PROJECT 1100 IROQUOIS AVENUE LONG BEACH CA 90815	ENVIROSTOR
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<b>Estor/EPA ID:</b>	60002322	<b>Assembly District:</b>	, 70
<b>Site Code:</b>	404928	<b>Senate District:</b>	, 34
<b>Nat Priority List:</b>	NO	<b>Permit Renewal Lead:</b>	
<b>APN:</b>	7239-018-900	<b>Public Partici Spclst:</b>	
<b>Census Tract:</b>	6037574602	<b>Project Manager:</b>	
<b>Site Type:</b>	SCHOOL	<b>County:</b>	LOS ANGELES
<b>Address Description:</b>	1100 IROQUOIS AVENUE	<b>Latitude:</b>	33.779701
<b>Office:</b>	SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH	<b>Longitude:</b>	-118.104203
<b>Special Program:</b>		<b>Acres:</b>	1.23 ACRES
<b>Funding:</b>	SCHOOL DISTRICT	<b>Supervisor:</b>	SHAHIR HADDAD
<b>Cleanup Status:</b>	NO FURTHER ACTION AS OF 1/19/2018		
<b>Cleanup Oversight Agencies:</b>	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY		
<b>School District:</b>	LONG BEACH UNIFIED SCHOOL DISTRICT		
<b>Past Use that Caused Contam:</b>	SCHOOL - MIDDLE		
<b>Potential Media Affected:</b>	SOIL		
<b>Site History:</b>			

The Site consists of two approximately rectangular areas located at Hill Middle School, designated as Areas A and B. Area A is located on the east-central portion of the school, is approximately 36,000 sq. ft. in size, and is currently occupied by the school gymnasium (Bldg 500) that was constructed in 1959. Area B is located in the southern-central portion of the school, is approximately 17,400 sq. ft. in size, and is occupied by lawn and a lunch shelter. Building 708, a relocatable classroom installed in 2001, was located within Area B; however, it was removed in June 2015.

Area A is used as a gymnasium which is proposed to be demolished and converted to an athletic court area. Area B is used as a lunch shelter and lawn and is proposed to be redeveloped with a locker facility.

The Phase I and Phase II (Sept. 5, 2015 and March 8, 2016, respectively) indicated elevated levels of organochlorine pesticides at the Site. DTSC issued a Further Action determination letter on May 9, 2016 for additional investigation to determine the lateral and vertical extent of impacted soil at the Site.

On July 29, 2016, the District submitted a proposal for Phase II site assessment and a bench scale pilot test to treat elevated chlordane and heptachlor detections at the Site. The District modified the project acreage and restricted it to 0.6 acres in Area A.

On June 22, 2017, the District notified DTSC that they have elected to proceed with the project as a construction response without DTSC oversight

December 19, 2017: During construction response activities, approximately 99 cubic yards (CY) of OCP-impacted soil was excavated and disposed of offsite. Approximately 21 CY of soil was treated segregated, treated, and disposed of at the Clean Harbors Inc. Aragonite Incineration Facility in Grantsville, Utah. The remaining 78 CY of impacted soil was treated as RCRA hazardous waste and disposed of at Waste Management's Kettleman Hills facility. After all contaminated soil was excavated, confirmatory soil sampling was conducted.

Based on sampling results, the Report concluded that there is no significant risk from the Site and recommended no further action. DTSC concurred with these conclusions and recommendations and approved the Report.

**Potential Contaminant of Concern:**

CHLORDANE  
HEPTACHLOR

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<b>Status:</b>		NO FURTHER ACTION				
<b>Program Type:</b>		SCHOOL CLEANUP				
<b>CalEnviroScreen Score:</b>		10-15%				
<b>Summary Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002322">https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002322</a>				
<b><u>Completed Activities</u></b>						
<b>Title:</b>		Construction Response				
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60429837">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60429837</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Supplemental Site Investigation Report				
<b>Date Completed:</b>		12/19/2017				
<b>Comments:</b>		DTSC approved the construction response with No Further Action				
<b>Title:</b>		Community Profile				
<b>Title Link:</b>						
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Community Profile				
<b>Date Completed:</b>		6/22/2017				
<b>Comments:</b>		The project is CEQA-exempt and no new property will be leased or acquired as part of the project. The District elected to continue without DTSC oversight.				
<b>Title:</b>		Cost Exceedance Letter				
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60429836">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60429836</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Correspondence				
<b>Date Completed:</b>		8/28/2017				
<b>Comments:</b>		DTSC issued a letter regarding cost exceedance				
<b>Title:</b>		Annual Cost Oversight Estimate				
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60416711">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60416711</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Annual Oversight Cost Estimate				
<b>Date Completed:</b>		9/14/2016				
<b>Comments:</b>		DTSC prepared an annual oversight cost estimate for 2016-2017				
<b>Title:</b>		Annual Cost Estimate-Fiscal Years 15/16 & 16/17				
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60408921">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60408921</a>				
<b>Area Name:</b>						

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>			Annual Oversight Cost Estimate			
<b>Date Completed:</b>			4/27/2016			
<b>Comments:</b>			Annual Cost Estimate for FYs 15/16 & 16/17 sent to District via regular mail on 04/27/16.			
<b>Title:</b>			FY 17/18 Annual Cost Estimate			
<b>Title Link:</b>			<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60429839">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60429839</a>			
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>			Annual Oversight Cost Estimate			
<b>Date Completed:</b>			8/31/2017			
<b>Comments:</b>			DTSC issued annual cost estimate letter on 8/31/17.			
<b>Title:</b>			Preliminary Environmental Assessment Equivalent (Phase I & Phase II)			
<b>Title Link:</b>			<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60407273">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60407273</a>			
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>			Preliminary Endangerment Assessment Report			
<b>Date Completed:</b>			6/1/2016			
<b>Comments:</b>			DTSC approved the PEA with a Further Action determination			
<b>Title:</b>			Supplemental Site Investigation Workplan and Bench Scale Pilot Test for OCPs			
<b>Title Link:</b>			<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60407367">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60407367</a>			
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>			Supplemental Site Investigation Workplan			
<b>Date Completed:</b>			11/14/2016			
<b>Comments:</b>			DTSC approved the pilot test workplan for implementation provided comments are addressed in the field/future report			
<b>Title:</b>			OCP Vapor Intrusion Evaluation Report			
<b>Title Link:</b>			<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60416709">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60416709</a>			
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>			Supplemental Site Investigation Report			
<b>Date Completed:</b>			11/10/2016			
<b>Comments:</b>			DTSC approved the vapor intrusion evaluation report			
<b>Title:</b>			Workplan for OCP Vapor Intrusion Evaluation			
<b>Title Link:</b>			<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60413360">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60413360</a>			
<b>Area Name:</b>						
<b>Area Link:</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Sub Area:**

**Sub Area Link:**

**Document Type:**

Supplemental Site Investigation Tech Memo

**Date Completed:**

8/10/2016

**Comments:**

DTSC concurred with the proposed indoor air sampling workplan

[50](#)

2 of 2

WSW

0.07 /  
357.72

14.29 /  
0

HILL MIDDLE SCHOOL  
GYMNASIUM PROJECT  
1100 IROQUOIS AVENUE  
LONG BEACH CA 90815

SCH

**Estor/EPA ID:** 60002322

**Site Code:** 404928

**Nat Priority List:** NO

**Acres:** 1.23 ACRES

**Special Program:**

**Funding:** SCHOOL DISTRICT

**Assembly District:** , 70

**Senate District:** , 34

**School District:** LONG BEACH UNIFIED SCHOOL DISTRICT

**APN:** 7239-018-900

**Cleanup Status:** NO FURTHER ACTION AS OF 1/19/2018

**Cleanup Oversight Agencies:** DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY

**Site Type:** SCHOOL

**Office:** SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH

**Past Use that Caused Contam:** SCHOOL - MIDDLE

**Potential Media Affected:** SOIL

**Potential Contaminant of Concern:**

CHLORDANE  
HEPTACHLOR

**Permit Renewal Lead:**

**Project Manager:**

**Supervisor:** SHAHIR HADDAD

**Public Partici Spclst:**

**Census Tract:** 6037574602

**County:** LOS ANGELES

**Latitude:** 33.779701

**Longitude:** -118.104203

**SITE HISTORY:**

The Site consists of two approximately rectangular areas located at Hill Middle School, designated as Areas A and B. Area A is located on the east-central portion of the school, is approximately 36,000 sq. ft. in size, and is currently occupied by the school gymnasium (Bldg 500) that was constructed in 1959. Area B is located in the southern-central portion of the school, is approximately 17,400 sq. ft. in size, and is occupied by lawn and a lunch shelter. Building 708, a relocatable classroom installed in 2001, was located within Area B; however, it was removed in June 2015.

Area A is used as a gymnasium which is proposed to be demolished and converted to an athletic court area. Area B is used as a lunch shelter and lawn and is proposed to be redeveloped with a locker facility.

The Phase I and Phase II (Sept. 5, 2015 and March 8, 2016, respectively) indicated elevated levels of organochlorine pesticides at the Site. DTSC issued a Further Action determination letter on May 9, 2016 for additional investigation to determine the lateral and vertical extent of impacted soil at the Site.

On July 29, 2016, the District submitted a proposal for Phase II site assessment and a bench scale pilot test to treat elevated chlordane and heptachlor detections at the Site. The District modified the project acreage and restricted it to 0.6 acres in Area A.

On June 22, 2017, the District notified DTSC that they have elected to proceed with the project as a construction response without DTSC oversight

December 19, 2017: During construction response activities, approximately 99 cubic yards (CY) of OCP-impacted soil was excavated and disposed of offsite. Approximately 21 CY of soil was treated segregated, treated, and disposed of at the Clean Harbors Inc. Aragonite Incineration Facility in Grantsville, Utah. The remaining 78 CY of impacted soil was treated as RCRA hazardous waste and disposed of at Waste Management's Kettleman Hills facility. After all contaminated soil was excavated, confirmatory soil sampling was conducted.

Based on sampling results, the Report concluded that there is no significant risk from the Site and recommended no further action. DTSC concurred with these conclusions and recommendations and approved the Report.

**Status:** NO FURTHER ACTION

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Program Type:</b>		SCHOOL CLEANUP				
<b>CalEnviroScreen Score:</b>		10-15%				
<b>Summary Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002322">https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002322</a>				
<b><u>Completed Activities</u></b>						
<b>Title:</b>		Community Profile				
<b>Title Link:</b>						
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Community Profile				
<b>Date Completed:</b>		6/22/2017				
<b>Comments:</b>		The project is CEQA-exempt and no new property will be leased or acquired as part of the project. The District elected to continue without DTSC oversight.				
<b>Title:</b>		OCP Vapor Intrusion Evaluation Report				
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60416709">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60416709</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Supplemental Site Investigation Report				
<b>Date Completed:</b>		11/10/2016				
<b>Comments:</b>		DTSC approved the vapor intrusion evaluation report				
<b>Title:</b>		Annual Cost Oversight Estimate				
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60416711">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60416711</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Annual Oversight Cost Estimate				
<b>Date Completed:</b>		9/14/2016				
<b>Comments:</b>		DTSC prepared an annual oversight cost estimate for 2016-2017				
<b>Title:</b>		Construction Response				
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60429837">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60429837</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Supplemental Site Investigation Report				
<b>Date Completed:</b>		12/19/2017				
<b>Comments:</b>		DTSC approved the construction response with No Further Action				
<b>Title:</b>		Cost Exceedance Letter				
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60429836">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60429836</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Correspondence				
<b>Date Completed:</b>		8/28/2017				
<b>Comments:</b>		DTSC issued a letter regarding cost exceedance				
<b>Title:</b>						
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60407367">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60407367</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Supplemental Site Investigation Workplan				
<b>Date Completed:</b>		11/14/2016				
<b>Comments:</b>		DTSC approved the pilot test workplan for implementation provided comments are addressed in the field/future report				
<b>Title:</b>						
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60413360">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60413360</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Supplemental Site Investigation Tech Memo				
<b>Date Completed:</b>		8/10/2016				
<b>Comments:</b>		DTSC concurred with the proposed indoor air sampling workplan				
<b>Title:</b>						
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60408921">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60408921</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Annual Oversight Cost Estimate				
<b>Date Completed:</b>		4/27/2016				
<b>Comments:</b>		Annual Cost Estimate for FYs 15/16 & 16/17 sent to District via regular mail on 04/27/16.				
<b>Title:</b>						
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60429839">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;enforcement_id=60429839</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						
<b>Sub Area Link:</b>						
<b>Document Type:</b>		Annual Oversight Cost Estimate				
<b>Date Completed:</b>		8/31/2017				
<b>Comments:</b>		DTSC issued annual cost estimate letter on 8/31/17.				
<b>Title:</b>						
<b>Title Link:</b>		<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60407273">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002322&amp;doc_id=60407273</a>				
<b>Area Name:</b>						
<b>Area Link:</b>						
<b>Sub Area:</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Sub Area Link:**

**Document Type:** Preliminary Endangerment Assessment Report  
**Date Completed:** 6/1/2016  
**Comments:** DTSC approved the PEA with a Further Action determination

<a href="#">51</a>	1 of 1	N	0.06 / 300.31	12.61 / -2	<b>RUSINAS, PATRICIA 6817 E DRISCOLL ST LONG BEACH CA 908154808</b>	<b>HAZ GEN</b>
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**Epa ID:** CAC002760814      **Facility County:** 19  
**Address 2:**      **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002760814>

<a href="#">52</a>	1 of 1	S	0.11 / 592.73	10.74 / -4	<b>BRYAN RUSSEL 6841 E KALLIN WAY LONG BEACH CA 908155007</b>	<b>HAZ GEN</b>
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**Epa ID:** CAC002749485      **Facility County:** 19  
**Address 2:**      **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002749485>

<a href="#">53</a>	1 of 1	S	0.13 / 704.77	11.24 / -3	<b>ANDREA GOESCH 6860 E KALLIN WAY LONG BEACH CA 90815</b>	<b>HAZ GEN</b>
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**Epa ID:** CAC002695710      **Facility County:** 19  
**Address 2:**      **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002695710>

<a href="#">54</a>	1 of 1	SSW	0.03 / 160.18	12.15 / -2	<b>ALONSO DELGADO 834 LEES AVENUE LONG BEACH CA 90815</b>	<b>HAZ GEN</b>
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**Epa ID:** CAC002913926      **Facility County:** 19  
**Address 2:**      **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002913926>

<a href="#">55</a>	1 of 1	NNW	0.04 / 196.39	11.63 / -3	<b>ROBIN LOVELY 6707 E. BACARRO ST LONG BEACH CA 90815</b>	<b>RCRA NON GEN</b>
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**EPA Handler ID:** CAC003091084  
**Gen Status Universe:** No Report  
**Contact Name:** ROBIN LOVELY  
**Contact Address:** 6707 E. BACARRO ST , , LONG BEACH , CA, 90815 ,

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<i>Contact Phone No and Ext:</i>		562-858-6844				
<i>Contact Email:</i>		TONYCORONEL8413@GMAIL.COM				
<i>Contact Country:</i>						
<i>County Name:</i>		LOS ANGELES				
<i>EPA Region:</i>		09				
<i>Land Type:</i>						
<i>Receive Date:</i>		20201102				
<i>Location Latitude:</i>						
<i>Location Longitude:</i>						

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

*Importer Activity:* No  
*Mixed Waste Generator:* No  
*Transporter Activity:* No  
*Transfer Facility:* No  
*Onsite Burner Exemption:* No  
*Furnace Exemption:* No  
*Underground Injection Activity:* No  
*Commercial TSD:* No  
*Used Oil Transporter:* No  
*Used Oil Transfer Facility:* No  
*Used Oil Processor:* No  
*Used Oil Refiner:* No  
*Used Oil Burner:* No  
*Used Oil Market Burner:* No  
*Used Oil Spec Marketer:* No

**Hazardous Waste Handler Details**

*Sequence No:* 1  
*Receive Date:* 20201102  
*Handler Name:* ROBIN LOVELY  
*Source Type:* Implementer  
*Federal Waste Generator Code:* N  
*Generator Code Description:* Not a Generator, Verified

**Owner/Operator Details**

<i>Owner/Operator Ind:</i>	Current Operator	<i>Street No:</i>	
<i>Type:</i>	Other	<i>Street 1:</i>	6707 E. BACARRO ST
<i>Name:</i>	ROBIN LOVELY	<i>Street 2:</i>	
<i>Date Became Current:</i>		<i>City:</i>	LONG BEACH
<i>Date Ended Current:</i>		<i>State:</i>	CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Phone:</b>	562-858-6844				<b>Country:</b>	
<b>Source Type:</b>	Implementer				<b>Zip Code:</b>	90815
<b>Owner/Operator Ind:</b>	Current Owner				<b>Street No:</b>	
<b>Type:</b>	Other				<b>Street 1:</b>	6707 E. BACARRO ST
<b>Name:</b>	ROBIN LOVELY				<b>Street 2:</b>	
<b>Date Became Current:</b>					<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>					<b>State:</b>	CA
<b>Phone:</b>	562-858-6844				<b>Country:</b>	
<b>Source Type:</b>	Implementer				<b>Zip Code:</b>	90815

<a href="#">56</a>	1 of 8	W	0.12 / 615.47	10.73 / -4	LOS ALTOS PUMPING PLANT 6560 ANAHEIM ROAD Long Beach CA 90815	DELISTED TNK
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**Delisted Storage Tanks**

<b>Facility ID:</b>	19-060-010782	<b>County:</b>	Los Angeles
<b>Latitude:</b>	33.78151	<b>Original Source:</b>	UST
<b>Longitude:</b>	-118.10321	<b>Record Date:</b>	30-JAN-2017
<b>Permitting Agency:</b>	LONG BEACH, CITY OF		

<a href="#">56</a>	2 of 8	W	0.12 / 615.47	10.73 / -4	LOS ALTOS PUMP PLANT 6560 ANAHEIM RD. LONG BEACH CA 90815	HHSS
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<b>County:</b>	Los Angeles
<b>Tank Details Microfiche:</b>	<a href="http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000276bb.pdf">http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000276bb.pdf</a>

<a href="#">56</a>	3 of 8	W	0.12 / 615.47	10.73 / -4	L A COUNTY PUBLIC WORKS/FLOOD MAINT. 6560 ANAHEIM RD LONG BEACH CA 000000000	HAZNET
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<b>SIC Code:</b>		<b>Mailing City:</b>	ALHAMBRA
<b>NAICS Code:</b>		<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAC000738344	<b>Mailing Zip:</b>	918027508
<b>Create Date:</b>	9/28/1994	<b>Region Code:</b>	3
<b>Fac Act Ind:</b>	No	<b>Owner Name:</b>	LOS ANGELES COUNTY
<b>Inact Date:</b>	12/31/1899	<b>Owner Addr 1:</b>	--
<b>County Code:</b>	19	<b>Owner Addr 2:</b>	--
<b>County Name:</b>	Los Angeles	<b>Owner City:</b>	--
<b>Mail Name:</b>		<b>Owner State:</b>	99
<b>Mailing Addr 1:</b>	P O BOX 7508	<b>Owner Zip:</b>	--
<b>Mailing Addr 2:</b>		<b>Owner Phone:</b>	000000000

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>

**DTSC Handler Profile url:** <https://hwts.dtsc.ca.gov/facility/CAC000738344>

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">56</a>	4 of 8	W	0.12 / 615.47	10.73 / -4	LA COUNTY, DEPT OF PUBLIC WORK 6560 ANAHEIM RD LONG BEACH CA	EMISSIONS

**1990 Criteria Data**

Facility ID:	71546	CERR Code:	
Facility SIC Code:	9199	TOGT:	.4
CO:	19	ROGT:	.3514
Air Basin:	SC	COT:	1.2
District:	SC	NOXT:	1.9
COID:	LA	SOXT:	.1
DISN:	SOUTH COAST AQMD	PMT:	.4
CHAPIS:		PM10T:	.3904

**1990 Toxic Data**

Facility ID:	71546	COID:	LA
Facility SIC Code:	9199	DISN:	SOUTH COAST AQMD
CO:	19	CHAPIS:	
Air Basin:	SC	CERR Code:	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

<a href="#">56</a>	5 of 8	W	0.12 / 615.47	10.73 / -4	LA COUNTY, LOS ALTOS PP 6560 ANAHEIM RD LONG BEACH CA 90815-0000	FINDS/FRS
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Registry ID:	110070451538
FIPS Code:	06037
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	02-JAN-19
Update Date:	
Interest Types:	OTHER HAZARDOUS WASTE ACTIVITIES, TRANSPORTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** https://ofmpub.epa.gov/frs\_public2/fii\_query\_detail.disp\_program\_facility?p\_registry\_id=110070451538  
**Program Acronyms:**  
 RCRAINFO:CAL000220058

<a href="#">56</a>	6 of 8	W	0.12 / 615.47	10.73 / -4	LOS ALTOS PUMPING PLANT 6560 ANAHEIM RD LONG BEACH CA	UST SWEEPS
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<b>C C:</b>	A19-060-34054	<b>D Filename:</b>	SITE01A
<b>BOE:</b>	44-033826	<b>Page No:</b>	13
<b>Comp:</b>	34054	<b>County:</b>	LOS ANGELES
<b>Status:</b>	ACTIVE	<b>State :</b>	CA
<b>No of Tanks:</b>	1	<b>Zip:</b>	90815
<b>Jurisdic:</b>	CITY OF LONG BEACH	<b>Latitude:</b>	0
<b>Agency:</b>	FIRE DEPARTMENT	<b>Longitude:</b>	0
<b>Phone:</b>		<b>Georesult:</b>	N

**Tank Details**

<b>Tank ID:</b>	000001	<b>S Contain:</b>	
<b>O Tank ID:</b>	J393828	<b>Stg:</b>	P
<b>SWRCB No:</b>	19-060-034054-000001	<b>Storage :</b>	
<b>Removed:</b>		<b>Storag Type:</b>	PRODUCT
<b>Installed:</b>		<b>P Contain:</b>	
<b>A Date:</b>	07-13-93	<b>Content:</b>	DIESEL
<b>Capac:</b>	1000	<b>ONA:</b>	
<b>Tank Use:</b>	M.V. FUEL	<b>D File Name:</b>	TANK1A

<a href="#">56</a>	7 of 8	W	0.12 / 615.47	10.73 / -4	LA COUNTY, LOS ALTOS PP 6560 ANAHEIM RD LONG BEACH CA 90815-0000	RCRA LQG
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**EPA Handler ID:** CAL000220058  
**Gen Status Universe:** Large Quantity Generator  
**Contact Name:** ADRIANA FLORES  
**Contact Address:** 900 SOUTH FREMONT AVE. , , ALHAMBRA , CA, 91803-1331 , US  
**Contact Phone No and Ext:** 626-458-7390  
**Contact Email:** AFLORES@DPW.LACOUNTY.GOV

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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<b>Contact Country:</b>	US
<b>County Name:</b>	LOS ANGELES
<b>EPA Region:</b>	09
<b>Land Type:</b>	County
<b>Receive Date:</b>	20220210
<b>Location Latitude:</b>	33.781493
<b>Location Longitude:</b>	-118.103336

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

<b>Importer Activity:</b>	No
<b>Mixed Waste Generator:</b>	No
<b>Transporter Activity:</b>	No
<b>Transfer Facility:</b>	No
<b>Onsite Burner Exemption:</b>	No
<b>Furnace Exemption:</b>	No
<b>Underground Injection Activity:</b>	No
<b>Commercial TSD:</b>	No
<b>Used Oil Transporter:</b>	No
<b>Used Oil Transfer Facility:</b>	No
<b>Used Oil Processor:</b>	No
<b>Used Oil Refiner:</b>	No
<b>Used Oil Burner:</b>	No
<b>Used Oil Market Burner:</b>	No
<b>Used Oil Spec Marketer:</b>	No

**Hazardous Waste Handler Details**

<b>Sequence No:</b>	1
<b>Receive Date:</b>	20000925
<b>Handler Name:</b>	LA COUNTY, LOS ALTOS PP
<b>Federal Waste Generator Code:</b>	N
<b>Generator Code Description:</b>	Not a Generator, Verified
<b>Source Type:</b>	Implementer

**Hazardous Waste Handler Details**

<b>Sequence No:</b>	1
<b>Receive Date:</b>	20220210
<b>Handler Name:</b>	LA COUNTY, LOS ALTOS PP
<b>Federal Waste Generator Code:</b>	1
<b>Generator Code Description:</b>	Large Quantity Generator
<b>Source Type:</b>	Annual/Biennial Report update with Notification

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Waste Code Details**

**Hazardous Waste Code:** 181  
**Waste Code Description:** Other inorganic solid waste

**Hazardous Waste Code:** D004  
**Waste Code Description:** ARSENIC

**Hazardous Waste Code:** D008  
**Waste Code Description:** LEAD

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>	
<b>Type:</b> Other	<b>Street 1:</b>	900 SOUTH FREMONT AVE.
<b>Name:</b> ADRIANA FLORES	<b>Street 2:</b>	
<b>Date Became Current:</b>	<b>City:</b>	ALHAMBRA
<b>Date Ended Current:</b>	<b>State:</b>	CA
<b>Phone:</b> 626-458-7390	<b>Country:</b>	
<b>Source Type:</b> Implementer	<b>Zip Code:</b>	91803-1331

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>	
<b>Type:</b> Other	<b>Street 1:</b>	900 SOUTH FREMONT AVE.
<b>Name:</b> ADRIANA FLORES	<b>Street 2:</b>	
<b>Date Became Current:</b> 19590101	<b>City:</b>	ALHAMBRA
<b>Date Ended Current:</b>	<b>State:</b>	CA
<b>Phone:</b> 626-458-7390	<b>Country:</b>	US
<b>Source Type:</b> Annual/Biennial Report update with Notification	<b>Zip Code:</b>	91803-1331

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>	
<b>Type:</b> Other	<b>Street 1:</b>	900 S FREMONT AVE
<b>Name:</b> LA COUNTY PUBLIC WORKS	<b>Street 2:</b>	
<b>Date Became Current:</b> 19590101	<b>City:</b>	ALHAMBRA
<b>Date Ended Current:</b>	<b>State:</b>	CA
<b>Phone:</b> 626-458-7390	<b>Country:</b>	US
<b>Source Type:</b> Annual/Biennial Report update with Notification	<b>Zip Code:</b>	91803-1331

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>	
<b>Type:</b> Other	<b>Street 1:</b>	900 S FREMONT AVE
<b>Name:</b> LA COUNTY PUBLIC WORKS	<b>Street 2:</b>	
<b>Date Became Current:</b>	<b>City:</b>	ALHAMBRA
<b>Date Ended Current:</b>	<b>State:</b>	CA
<b>Phone:</b> 626-458-7390	<b>Country:</b>	
<b>Source Type:</b> Implementer	<b>Zip Code:</b>	91803-1331

**Historical Handler Details**

**Receive Dt:** 20000925  
**Generator Code Description:** Not a Generator, Verified  
**Handler Name:** LA COUNTY, LOS ALTOS PP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">56</a>	8 of 8	W	0.12 / 615.47	10.73 / -4	LA COUNTY, LOS ALTOS PP 6560 ANAHEIM RD LONG BEACH CA 908150000	HAZ GEN

**Epa ID:** CAL000220058  
**Address 2:**  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAL000220058>

**Facility County:** 19  
**County:** Los Angeles

<a href="#">57</a>	1 of 1	NNW	0.04 / 219.01	11.90 / -2	WILLIAM ELGIN 6701 BACARRO ST LONG BEACH CA 90815	HAZ GEN
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**Epa ID:** CAC002558379  
**Address 2:**  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002558379>

**Facility County:** 19  
**County:** Los Angeles

<a href="#">58</a>	1 of 3	SSW	0.03 / 156.18	11.52 / -3	LORNA ROLAND 830 LEES AVE LONG BEACH CA 90815	FINDS/FRS
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**Registry ID:** 110011584918  
**FIPS Code:** 06037  
**HUC Code:** 18070106  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 01-MAR-00  
**Update Date:** 24-APR-02  
**Interest Types:** COMPLIANCE ACTIVITY  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:** FRS-GEOCODE  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:** 46  
**Census Block Code:** 060375745002027  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:** 33.7771  
**Longitude:** -118.10188  
**Reference Point:** CENTER OF A FACILITY OR STATION  
**Coord Collection Method:** ADDRESS MATCHING-HOUSE NUMBER  
**Accuracy Value:** 30

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110011584918](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110011584918)  
**Program Acronyms:**  
 NCDB:C09#99-16, NCDB:I09#1999033114480 1

<a href="#">58</a>	2 of 3	SSW	0.03 / 156.18	11.52 / -3	SILVIA GARBIN 830 LEES AVENUE LONG BEACH CA 90815	RCRA NON GEN
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**EPA Handler ID:** CAC003164980  
**Gen Status Universe:** No Report  
**Contact Name:** SILVIA GARBIN  
**Contact Address:** 830 LEES AVENUE , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 562-280-5453  
**Contact Email:** KARLA@SUPERIORENV.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20220307  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Sequence No:** 1  
**Receive Date:** 20220307  
**Handler Name:** SILVIA GARBIN  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	830 LEES AVENUE
<b>Name:</b>	SILVIA GARBIN	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-280-5453	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	830 LEES AVENUE
<b>Name:</b>	SILVIA GARBIN	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-280-5453	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<a href="#">58</a>	3 of 3	SSW	0.03 / 156.18	11.52 / -3	DAVE GARBIN 830 LEES AVE LONG BEACH CA 908155010	HAZ GEN
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**Epa ID:** CAC002735438      **Facility County:** 19  
**Address 2:**      **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002735438>

<a href="#">59</a>	1 of 1	WNW	0.11 / 575.91	10.94 / -3	MARY AND WAYNE JOHNSON 6541 E MANTOVA ST LONG BEACH CA 908154661	HAZNET
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<b>SIC Code:</b>		<b>Mailing City:</b>	LONG BEACH
<b>NAICS Code:</b>		<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAC002790517	<b>Mailing Zip:</b>	908154661
<b>Create Date:</b>	10/21/2014	<b>Region Code:</b>	3
<b>Fac Act Ind:</b>	No	<b>Owner Name:</b>	MARY AND WAYNE JOHNSON
<b>Inact Date:</b>	1/20/2015	<b>Owner Addr 1:</b>	6541 E MANTOVA ST
<b>County Code:</b>	19	<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles	<b>Owner City:</b>	LONG BEACH
<b>Mail Name:</b>		<b>Owner State:</b>	CA
<b>Mailing Addr 1:</b>	6541 E MANTOVA ST	<b>Owner Zip:</b>	908154661
<b>Mailing Addr 2:</b>		<b>Owner Phone:</b>	5625981509
<b>Owner Fax:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Details DTSC HWTS:</b> The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>						
<b>DTSC Handler Profile url:</b> <a href="https://hwts.dtsc.ca.gov/facility/CAC002790517">https://hwts.dtsc.ca.gov/facility/CAC002790517</a>						
<a href="#">60</a>	1 of 1	NNE	0.13 / 705.67	12.75 / -2	DIANA FICKLIN 6957 E GOLDCREST ST LONG BEACH CA 90815	HAZ GEN
<b>Epa ID:</b> CAC002714533 <b>Facility County:</b> 19						
<b>Address 2:</b> <b>County:</b> Los Angeles						
<b>Details DTSC HWTS:</b> The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>						
<b>Handler Profile URL:</b> <a href="https://hwts.dtsc.ca.gov/facility/CAC002714533">https://hwts.dtsc.ca.gov/facility/CAC002714533</a>						
<a href="#">61</a>	1 of 1	NW	0.07 / 366.36	11.52 / -3	VALERIE EDEN BEACHLEY 1414 VUELTA GRANDE AVE LONG BEACH CA 90815	HAZ GEN
<b>Epa ID:</b> CAC002898326 <b>Facility County:</b> 19						
<b>Address 2:</b> <b>County:</b> Los Angeles						
<b>Details DTSC HWTS:</b> The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>						
<b>Handler Profile URL:</b> <a href="https://hwts.dtsc.ca.gov/facility/CAC002898326">https://hwts.dtsc.ca.gov/facility/CAC002898326</a>						
<a href="#">62</a>	1 of 1	SSW	0.03 / 140.94	10.88 / -3	QUINALTY TERRY 44-85145 821 LEES AVENUE LONG BEACH CA 90815	HAZ GEN
<b>Epa ID:</b> CAC002795469 <b>Facility County:</b>						
<b>Address 2:</b> <b>County:</b>						
<b>Details DTSC HWTS:</b> The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>						
<b>Handler Profile URL:</b> <a href="https://hwts.dtsc.ca.gov/facility/CAC002795469">https://hwts.dtsc.ca.gov/facility/CAC002795469</a>						
<a href="#">63</a>	1 of 1	SW	0.04 / 201.92	-1.64 / -16	L.A.COUNTY PUBLIC WORKS FLOOD MAINT. 6560 ANAHEIM LONG BEACH CA 90815000	HAZ GEN
<b>Epa ID:</b> CAC001207736 <b>Facility County:</b> 19						
<b>Address 2:</b> <b>County:</b> Los Angeles						
<b>Details DTSC HWTS:</b> The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>						
<b>Handler Profile URL:</b> <a href="https://hwts.dtsc.ca.gov/facility/CAC001207736">https://hwts.dtsc.ca.gov/facility/CAC001207736</a>						
<a href="#">64</a>	1 of 1	SE	0.21 / 1,110.03	9.70 / -5	JOHN HAUCK 161 HARVARD LN SEAL BEACH CA 907402508	HAZ GEN
<b>Epa ID:</b> CAC002835942 <b>Facility County:</b> 30						
<b>Address 2:</b> <b>County:</b> Orange						
<b>Details DTSC HWTS:</b> The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002835942>

<a href="#">65</a>	1 of 2	S	0.09 / 457.85	11.44 / -3	MARK NAITHAUS 6890 E LEES WAY LONG BEACH CA 90815-5011	RCRA NON GEN
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**EPA Handler ID:** CAC003038990  
**Gen Status Universe:** No Report  
**Contact Name:** MARK NAITHAUS  
**Contact Address:** 6890 E LEES WAY , , LONG BEACH , CA, 90815-5011 ,  
**Contact Phone No and Ext:** 714-917-4478  
**Contact Email:** KC@AQHIINC.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20191016  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20191016  
**Handler Name:** MARK NAITHAUS  
**Source Type:** Implementer

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6890 E LEES WAY
<b>Name:</b>	MARK NAITHAUS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	714-917-4478	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815-5011

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6890 E LEES WAY
<b>Name:</b>	MARK NAITHAUS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	714-917-4478	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815-5011

<a href="#">65</a>	2 of 2	S	0.09 / 457.85	11.44 / -3	MARK NAITHAUS 6890 E LEES WAY LONG BEACH CA 90815-5011	<a href="#">FINDS/FRS</a>
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**Registry ID:** 110070653281  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 26-NOV-19  
**Update Date:**  
**Interest Types:** UNSPECIFIED UNIVERSE  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Coord Collection Method:**

**Accuracy Value:**

**Datum:** NAD83

**Source:**

**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070653281](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070653281)

**Program Acronyms:**

RCRAINFO:CAC003038990

<a href="#">66</a>	1 of 2	NNW	0.08 / 430.13	10.50 / -4	CASSIE HALVORSON 6710 E ESPANITA ST LONG BEACH CA 908154851	HAZ GEN
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**Epa ID:** CAC002761465

**Facility County:** 19

**Address 2:** **County:** Los Angeles

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:

<https://hwts.dtsc.ca.gov/search>

**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002761465>

<a href="#">66</a>	2 of 2	NNW	0.08 / 430.13	10.50 / -4	SARAH PETERSON 6710 E ESPANITA ST LONG BEACH CA 908154851	HAZ GEN
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**Epa ID:** CAC002748805

**Facility County:** 19

**Address 2:** **County:** Los Angeles

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:

<https://hwts.dtsc.ca.gov/search>

**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002748805>

<a href="#">67</a>	1 of 1	SE	0.19 / 1,010.34	9.47 / -5	REED, PATRICIA 153 HARVARD LN SEAL BEACH CA 907402508	HAZ GEN
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**Epa ID:** CAC002771311

**Facility County:** 30

**Address 2:** **County:** Orange

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:

<https://hwts.dtsc.ca.gov/search>

**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002771311>

<a href="#">68</a>	1 of 1	WNW	0.14 / 745.15	10.88 / -3	JOHN THOMETZ 6520 E DELEON ST. LONG BEACH CA 90815	HAZ GEN
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**Epa ID:** CAC002902672

**Facility County:** 19

**Address 2:** **County:** Los Angeles

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:

<https://hwts.dtsc.ca.gov/search>

**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002902672>

<a href="#">69</a>	1 of 2	WNW	0.14 / 750.11	10.00 / -4	RON HODGE 6521 E DE LEON ST	RCRA NON GEN
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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LONG BEACH CA 90815-4628

**EPA Handler ID:** CAC003041583  
**Gen Status Universe:** No Report  
**Contact Name:** RON HODGE  
**Contact Address:** 6521 E DE LEON ST , , LONG BEACH , CA, 90815-4628 ,  
**Contact Phone No and Ext:** 562-787-9039  
**Contact Email:** NANCYRUIZ@ALLIANCE-ENVIRO.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20191101  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20191101  
**Handler Name:** RON HODGE  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Owner/Operator Ind:</b>	Current Owner				<b>Street No:</b>	
<b>Type:</b>	Other				<b>Street 1:</b>	6521 E DE LEON ST
<b>Name:</b>	RON HODGE				<b>Street 2:</b>	
<b>Date Became Current:</b>					<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>					<b>State:</b>	CA
<b>Phone:</b>	562-787-9039				<b>Country:</b>	
<b>Source Type:</b>	Implementer				<b>Zip Code:</b>	90815-4628
<b>Owner/Operator Ind:</b>	Current Operator				<b>Street No:</b>	
<b>Type:</b>	Other				<b>Street 1:</b>	6521 E DE LEON ST
<b>Name:</b>	RON HODGE				<b>Street 2:</b>	
<b>Date Became Current:</b>					<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>					<b>State:</b>	CA
<b>Phone:</b>	562-787-9039				<b>Country:</b>	
<b>Source Type:</b>	Implementer				<b>Zip Code:</b>	90815-4628

[69](#)    2 of 2    **WNW**    0.14 / 750.11    10.00 / -4    **RON HODGE  
6521 E DE LEON ST  
LONG BEACH CA 90815-4628**    **FINDS/FRS**

**Registry ID:** 110070650949  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 26-NOV-19  
**Update Date:**  
**Interest Types:** UNSPECIFIED UNIVERSE  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070650949](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070650949)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Program Acronyms:**

RCRAINFO:CAC003041583

<a href="#">70</a>	1 of 2	SE	0.18 / 931.62	9.64 / -5	EVAN BADER 144 HARVARD LN SEAL BEACH CA 90740-2509	RCRA NON GEN
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**EPA Handler ID:** CAC003026971  
**Gen Status Universe:** No Report  
**Contact Name:** EVAN BADER  
**Contact Address:** 144 HARVARD LN , , SEAL BEACH , CA, 90740-2509 ,  
**Contact Phone No and Ext:** 310-279-2957  
**Contact Email:** MANIFEST.SIRRIIS@GMAIL.COM  
**Contact Country:**  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20190731  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20190731

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Handler Name:** EVAN BADER  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	144 HARVARD LN
<b>Name:</b>	EVAN BADER	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	SEAL BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	310-279-2957	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90740-2509

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	144 HARVARD LN
<b>Name:</b>	EVAN BADER	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	SEAL BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	310-279-2957	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90740-2509

<a href="#">70</a>	2 of 2	SE	0.18 / 931.62	9.64 / -5	EVAN BADER 144 HARVARD LN SEAL BEACH CA 90740-2509	FINDS/FRS
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**Registry ID:** 110070651846  
**FIPS Code:** 06059  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 26-NOV-19  
**Update Date:**  
**Interest Types:** UNSPECIFIED UNIVERSE  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** ORANGE  
**US/Mexico Border Ind:**  
**Latitude:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Longitude:

Reference Point:

Coord Collection Method:

Accuracy Value:

Datum:

NAD83

Source:

Facility Detail Rprt URL:

[https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070651846](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070651846)

Program Acronyms:

RCRAINFO:CAC003026971

<a href="#">71</a>	1 of 1	SE	0.17 / 890.37	9.24 / -5	FRENCH, LAURA 145 HARVARD LN SEAL BEACH CA 907402508	HAZ GEN
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Epa ID:

CAC002807744

Facility County:

30

Address 2:

County:

Orange

Details DTSC HWTS:

The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:

<https://hwts.dtsc.ca.gov/search>

Handler Profile URL:

<https://hwts.dtsc.ca.gov/facility/CAC002807744>

<a href="#">72</a>	1 of 2	WNW	0.15 / 805.70	10.74 / -4	LISA WICKER 6510 E DE LEON ST LONG BEACH CA 90815	RCRA NON GEN
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EPA Handler ID:

CAC002984551

Gen Status Universe:

No Report

Contact Name:

LISA WICKER

Contact Address:

6510 E DE LEON ST , , LONG BEACH , CA, 90815 ,

Contact Phone No and Ext:

213-738-6120

Contact Email:

SARAH@PWSEI.COM

Contact Country:

County Name:

LOS ANGELES

EPA Region:

09

Land Type:

Receive Date:

20181011

Location Latitude:

33.783794

Location Longitude:

-118.105142

### Violation/Evaluation Summary

Note:

NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

### Handler Summary

Importer Activity:

No

Mixed Waste Generator:

No

Transporter Activity:

No

Transfer Facility:

No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Onsite Burner Exemption:</b>		No				
<b>Furnace Exemption:</b>		No				
<b>Underground Injection Activity:</b>		No				
<b>Commercial TSD:</b>		No				
<b>Used Oil Transporter:</b>		No				
<b>Used Oil Transfer Facility:</b>		No				
<b>Used Oil Processor:</b>		No				
<b>Used Oil Refiner:</b>		No				
<b>Used Oil Burner:</b>		No				
<b>Used Oil Market Burner:</b>		No				
<b>Used Oil Spec Marketer:</b>		No				

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20181011  
**Handler Name:** LISA WICKER  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6510 E DE LEON ST
<b>Name:</b> LISA WICKER	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 213-738-6120	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6510 E DE LEON ST
<b>Name:</b> LISA WICKER	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 213-738-6120	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

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<a href="#">72</a>	2 of 2	WNW	0.15 / 805.70	10.74 / -4	LISA WICKER 6510 E DE LEON ST LONG BEACH CA 90815	FINDS/FRS
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**Registry ID:** 110070406836  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 31-DEC-18  
**Update Date:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Interest Types:</b>		OTHER HAZARDOUS WASTE ACTIVITIES				
<b>SIC Codes:</b>						
<b>SIC Code Descriptions:</b>						
<b>NAICS Codes:</b>						
<b>NAICS Code Descriptions:</b>						
<b>Conveyor:</b>						
<b>Federal Facility Code:</b>						
<b>Federal Agency Name:</b>						
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b>						
<b>Census Block Code:</b>						
<b>EPA Region Code:</b>		09				
<b>County Name:</b>		LOS ANGELES				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>						
<b>Longitude:</b>						
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>						
<b>Accuracy Value:</b>						
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070406836">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070406836</a>				
<b>Program Acronyms:</b>						
RCRAINFO:CAC002984551						

<a href="#">73</a>	1 of 1	<b>NNW</b>	<b>0.08 / 410.87</b>	<b>11.03 / -3</b>	<b>BEN MORGAN 6734 E DRISCOLL ST LONG BEACH CA 90815</b>	<b>RCRA NON GEN</b>
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**EPA Handler ID:** CAC003114388  
**Gen Status Universe:** No Report  
**Contact Name:** BEN MORGAN  
**Contact Address:** 6734 E DRISCOLL ST , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 562-277-3212  
**Contact Email:** SCHEDULING@PWSEI.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20210412  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20210412  
**Handler Name:** BEN MORGAN  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6734 E DRISCOLL ST
<b>Name:</b>	BEN MORGAN	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-277-3212	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6734 E DRISCOLL ST
<b>Name:</b>	BEN MORGAN	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-277-3212	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<a href="#">74</a>	1 of 1	ESE	0.23 / 1,194.93	8.65 / -6	ELINORE RICHARDSON 153 STANFORD LN SEAL BEACH CA 907402533	HAZ GEN
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**Epa ID:** CAC002688275  
**Address 2:**

**Facility County:** 30  
**County:** Orange

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>

**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002688275>

<a href="#">75</a>	1 of 1	NW	0.11 / 590.69	10.22 / -4	RAYMON GILBERT 1503 VUELTA GRANDE AVE LONG BEACH CA 90815	HAZ GEN
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**Epa ID:** CAC002804570      **Facility County:** 19

**Address 2:**      **County:** Los Angeles

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>

**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002804570>

<a href="#">76</a>	1 of 1	NNE	0.19 / 1,024.95	13.23 / -1	KATHLEEN TOBIN 1602 PATTIZ AVE LONG BEACH CA 90815	RCRA NON GEN
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**EPA Handler ID:** CAC003167012

**Gen Status Universe:** No Report

**Contact Name:** KATHLEEN TOBIN

**Contact Address:** 1602 PATTIZ AVE , , LONG BEACH , CA, 90815 ,

**Contact Phone No and Ext:** 714-675-4478

**Contact Email:** KATVEGE@GMAIL.COM

**Contact Country:**

**County Name:** LOS ANGELES

**EPA Region:** 09

**Land Type:**

**Receive Date:** 20220318

**Location Latitude:**

**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No

**Mixed Waste Generator:** No

**Transporter Activity:** No

**Transfer Facility:** No

**Onsite Burner Exemption:** No

**Furnace Exemption:** No

**Underground Injection Activity:** No

**Commercial TSD:** No

**Used Oil Transporter:** No

**Used Oil Transfer Facility:** No

**Used Oil Processor:** No

**Used Oil Refiner:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 20220318  
 Handler Name: KATHLEEN TOBIN  
 Source Type: Implementer  
 Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

**Owner/Operator Details**

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	1602 PATTIZ AVE
Name:	KATHLEEN TOBIN	Street 2:	
Date Became Current:		City:	LONG BEACH
Date Ended Current:		State:	CA
Phone:	714-675-4478	Country:	
Source Type:	Implementer	Zip Code:	90815

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	1602 PATTIZ AVE
Name:	KATHLEEN TOBIN	Street 2:	
Date Became Current:		City:	LONG BEACH
Date Ended Current:		State:	CA
Phone:	714-675-4478	Country:	
Source Type:	Implementer	Zip Code:	90815

<a href="#">77</a>	1 of 5	W	0.20 / 1,035.50	11.97 / -2	LBUSD-SATO HIGH SCHOOL (PREVIOUSLY HILL) 1100 IROQUIOS AVENUE LONG BEACH CA 90815-4649	FINDS/FRS
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Registry ID: 110002699615  
 FIPS Code: 06037  
 HUC Code: 18070106  
 Site Type Name: STATIONARY  
 Location Description:  
 Supplemental Location:  
 Create Date: 01-MAR-00  
 Update Date: 08-AUG-10  
 Interest Types: SQG, STATE MASTER  
 SIC Codes:  
 SIC Code Descriptions:  
 NAICS Codes:  
 NAICS Code Descriptions:  
 Conveyor: FRS-GEOCODE  
 Federal Facility Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:** 46  
**Census Block Code:** 060375746021001  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:** 33.78088  
**Longitude:** -118.106175  
**Reference Point:** ENTRANCE POINT OF A FACILITY OR STATION  
**Coord Collection Method:** ADDRESS MATCHING-HOUSE NUMBER  
**Accuracy Value:** 50  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110002699615](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002699615)  
**Program Acronyms:**

HWTS-DATAMART:CAD981419849, RCRAINFO:CAD981419849

<a href="#">77</a>	2 of 5	W	0.20 / 1,035.50	11.97 / -2	1X HILL JUNIOR HIGH SCHOOL 1100 IROQUOIS AVE. LONG BEACH CA 913010000	HAZNET
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<b>SIC Code:</b>		<b>Mailing City:</b>	AGOURA HILLS
<b>NAICS Code:</b>		<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAX000101543	<b>Mailing Zip:</b>	913010000
<b>Create Date:</b>	7/27/1984	<b>Region Code:</b>	3
<b>Fac Act Ind:</b>	No	<b>Owner Name:</b>	--
<b>Inact Date:</b>	4/30/1986	<b>Owner Addr 1:</b>	--
<b>County Code:</b>	19	<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles	<b>Owner City:</b>	--
<b>Mail Name:</b>		<b>Owner State:</b>	99
<b>Mailing Addr 1:</b>	ENVIRONMENTAL SEVICES	<b>Owner Zip:</b>	--
<b>Mailing Addr 2:</b>		<b>Owner Phone:</b>	0000000000

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**DTSC Handler Profile url:** <https://hwts.dtsc.ca.gov/facility/CAX000101543>

<a href="#">77</a>	3 of 5	W	0.20 / 1,035.50	11.97 / -2	1100 IROQUIOS AVENUE LONG BEACH CA 908150000	HIST MANIFEST
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**Gen EPA ID:** CAD981419849  
**Create Date:** 04/10/1987 0:00  
**Inact Date:**  
**Facility Mail Street:** 2425 WEBSTER AVE  
**Facility Mail City:** LONG BEACH  
**Facility Mail State:** CA  
**Facility Mail Zip:** 908100000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Contact Phone(s):		5629977504				
File Year(s):		1986				
Contact Name(s):		RON HOPPE				

**Tanner Information**

**Method Description:**

Tons: 0  
Year: 1986  
Generator County Code: 19  
Generator County: Los Angeles  
Method Code:  
Tsd County Code: 42  
Tsd County: Santa Barbara  
State Waste Code:  
State Waste Code Desc:  
Tsd Epa ID: CAD020748125

**Tanner Information**

**Method Description:**

Tons: 0  
Year: 1986  
Generator County Code: 19  
Generator County: Los Angeles  
Method Code: 3  
Tsd County Code: 42  
Tsd County: Santa Barbara  
State Waste Code: 551  
State Waste Code Desc: Laboratory waste chemicals  
Tsd Epa ID: CAD020748125

**Tanner Information**

**Method Description:**

Tons: 1.00E-03  
Year: 1986  
Generator County Code: 19  
Generator County: Los Angeles  
Method Code: D80  
Tsd County Code: 42  
Tsd County: Santa Barbara  
State Waste Code: 551  
State Waste Code Desc: Laboratory waste chemicals  
Tsd Epa ID: CAD020748125

<a href="#">77</a>	4 of 5	W	0.20 / 1,035.50	11.97 / -2	LBUSD-SATO HIGH SCHOOL (PREVIOUSLY HILL) 1100 IROQUIOS AVENUE LONG BEACH CA 90815-0000	RCRA SQG
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<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**EPA Handler ID:** CAD981419849  
**Gen Status Universe:** Small Quantity Generator  
**Contact Name:** OLIVIA DAOU  
**Contact Address:** 2425 WEBSTER AVENUE , , LONG BEACH , CA, 90810 , US  
**Contact Phone No and Ext:** 562-997-7550 x1336  
**Contact Email:** ODAOU@LBSCHOOLS.NET  
**Contact Country:** US  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:** District  
**Receive Date:** 20191011  
**Location Latitude:** 33.779933  
**Location Longitude:** -118.106159

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 2  
**Receive Date:** 20191011  
**Handler Name:** LBUSD-SATO HIGH SCHOOL (PREVIOUSLY HILL)  
**Federal Waste Generator Code:** 2  
**Generator Code Description:** Small Quantity Generator  
**Source Type:** Notification

**Waste Code Details**

**Hazardous Waste Code:** 121

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Code Description:</b>					Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)	
<b>Hazardous Waste Code:</b>				D041		
<b>Waste Code Description:</b>					2,4,5-TRICHLOROPHENOL	
<b>Hazardous Waste Code:</b>				D039		
<b>Waste Code Description:</b>					TETRACHLOROETHYLENE	
<b>Hazardous Waste Code:</b>				D037		
<b>Waste Code Description:</b>					PENTACHLOROPHENOL	
<b>Hazardous Waste Code:</b>				D035		
<b>Waste Code Description:</b>					METHYL ETHYL KETONE	
<b>Hazardous Waste Code:</b>				D033		
<b>Waste Code Description:</b>					HEXACHLOROBUTADIENE	
<b>Hazardous Waste Code:</b>				D031		
<b>Waste Code Description:</b>					HEPTACHLOR (AND ITS EPOXIDE)	
<b>Hazardous Waste Code:</b>				D029		
<b>Waste Code Description:</b>					1,1-DICHLOROETHYLENE	
<b>Hazardous Waste Code:</b>				D027		
<b>Waste Code Description:</b>					1,4-DICHLOROBENZENE	
<b>Hazardous Waste Code:</b>				D025		
<b>Waste Code Description:</b>					P-CRESOL	
<b>Hazardous Waste Code:</b>				D023		
<b>Waste Code Description:</b>					O-CRESOL	
<b>Hazardous Waste Code:</b>				D021		
<b>Waste Code Description:</b>					CHLOROBENZENE	
<b>Hazardous Waste Code:</b>				D019		
<b>Waste Code Description:</b>					CARBON TETRACHLORIDE	
<b>Hazardous Waste Code:</b>				D017		
<b>Waste Code Description:</b>					2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID)	
<b>Hazardous Waste Code:</b>				D015		
<b>Waste Code Description:</b>					TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)	
<b>Hazardous Waste Code:</b>				D013		
<b>Waste Code Description:</b>					LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)	
<b>Hazardous Waste Code:</b>				D011		
<b>Waste Code Description:</b>					SILVER	
<b>Hazardous Waste Code:</b>				D009		

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Code Description:</b>			MERCURY			
<b>Hazardous Waste Code:</b>			D007			
<b>Waste Code Description:</b>			CHROMIUM			
<b>Hazardous Waste Code:</b>			D005			
<b>Waste Code Description:</b>			BARIUM			
<b>Hazardous Waste Code:</b>			D002			
<b>Waste Code Description:</b>			CORROSIVE WASTE			
<b>Hazardous Waste Code:</b>			801			
<b>Waste Code Description:</b>			Waste potentially containing dioxins			
<b>Hazardous Waste Code:</b>			791			
<b>Waste Code Description:</b>			Liquids with pH < 2			
<b>Hazardous Waste Code:</b>			741			
<b>Waste Code Description:</b>			Liquids with halogenated organic compounds > 1000 mg/l			
<b>Hazardous Waste Code:</b>			728			
<b>Waste Code Description:</b>			Liquids with thallium > 130 mg/l			
<b>Hazardous Waste Code:</b>			726			
<b>Waste Code Description:</b>			Liquids with nickel > 134 mg/l			
<b>Hazardous Waste Code:</b>			724			
<b>Waste Code Description:</b>			Liquids with lead > 500 mg/l			
<b>Hazardous Waste Code:</b>			722			
<b>Waste Code Description:</b>			Liquids with cadmium > 100 mg/l			
<b>Hazardous Waste Code:</b>			711			
<b>Waste Code Description:</b>			Liquids with cyanides > 1000 mg/l			
<b>Hazardous Waste Code:</b>			613			
<b>Waste Code Description:</b>			Auto shredder waste			
<b>Hazardous Waste Code:</b>			611			
<b>Waste Code Description:</b>			Contaminated soil from site clean-ups			
<b>Hazardous Waste Code:</b>			581			
<b>Waste Code Description:</b>			Gas scrubber waste			
<b>Hazardous Waste Code:</b>			561			
<b>Waste Code Description:</b>			Detergent and soap			
<b>Hazardous Waste Code:</b>			541			
<b>Waste Code Description:</b>			Photochemicals / photo processing waste			
<b>Hazardous Waste Code:</b>			521			
<b>Waste Code Description:</b>			Drilling mud			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Hazardous Waste Code:</b>			512			
<b>Waste Code Description:</b>			Other empty containers 30 gallons or more			
<b>Hazardous Waste Code:</b>			491			
<b>Waste Code Description:</b>			Unspecified sludge waste			
<b>Hazardous Waste Code:</b>			471			
<b>Waste Code Description:</b>			Paper sludge/pulp			
<b>Hazardous Waste Code:</b>			451			
<b>Waste Code Description:</b>			Degreasing sludge			
<b>Hazardous Waste Code:</b>			D020			
<b>Waste Code Description:</b>			CHLORDANE			
<b>Hazardous Waste Code:</b>			D018			
<b>Waste Code Description:</b>			BENZENE			
<b>Hazardous Waste Code:</b>			D016			
<b>Waste Code Description:</b>			2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)			
<b>Hazardous Waste Code:</b>			D014			
<b>Waste Code Description:</b>			METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)			
<b>Hazardous Waste Code:</b>			D012			
<b>Waste Code Description:</b>			ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-ENDO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)			
<b>Hazardous Waste Code:</b>			D010			
<b>Waste Code Description:</b>			SELENIUM			
<b>Hazardous Waste Code:</b>			D008			
<b>Waste Code Description:</b>			LEAD			
<b>Hazardous Waste Code:</b>			D006			
<b>Waste Code Description:</b>			CADMIUM			
<b>Hazardous Waste Code:</b>			D004			
<b>Waste Code Description:</b>			ARSENIC			
<b>Hazardous Waste Code:</b>			D003			
<b>Waste Code Description:</b>			REACTIVE WASTE			
<b>Hazardous Waste Code:</b>			D024			
<b>Waste Code Description:</b>			M-CRESOL			
<b>Hazardous Waste Code:</b>			D022			
<b>Waste Code Description:</b>			CHLOROFORM			
<b>Hazardous Waste Code:</b>			D001			
<b>Waste Code Description:</b>			IGNITABLE WASTE			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Hazardous Waste Code:</b>			792			
<b>Waste Code Description:</b>			Liquids with pH < 2 with metals			
<b>Hazardous Waste Code:</b>			751			
<b>Waste Code Description:</b>			Solids or sludge with halogenated organic comp. > 1000 mg/kg			
<b>Hazardous Waste Code:</b>			731			
<b>Waste Code Description:</b>			Liquids with polychlorinated biphenyls > 50 mg/l			
<b>Hazardous Waste Code:</b>			727			
<b>Waste Code Description:</b>			Liquids with selenium > 100 mg/l			
<b>Hazardous Waste Code:</b>			725			
<b>Waste Code Description:</b>			Liquids with mercury > 20 mg/l			
<b>Hazardous Waste Code:</b>			723			
<b>Waste Code Description:</b>			Liquids with chromium (VI) > 500 mg/l			
<b>Hazardous Waste Code:</b>			721			
<b>Waste Code Description:</b>			Liquids with arsenic > 500 mg/l			
<b>Hazardous Waste Code:</b>			614			
<b>Waste Code Description:</b>			Treated wood waste			
<b>Hazardous Waste Code:</b>			612			
<b>Waste Code Description:</b>			Household waste			
<b>Hazardous Waste Code:</b>			591			
<b>Waste Code Description:</b>			Baghouse waste			
<b>Hazardous Waste Code:</b>			571			
<b>Waste Code Description:</b>			Fly ash, bottom ash, and retort ash			
<b>Hazardous Waste Code:</b>			551			
<b>Waste Code Description:</b>			Laboratory waste chemicals			
<b>Hazardous Waste Code:</b>			531			
<b>Waste Code Description:</b>			Chemical toilet waste			
<b>Hazardous Waste Code:</b>			221			
<b>Waste Code Description:</b>			Waste oil and mixed oil			
<b>Hazardous Waste Code:</b>			214			
<b>Waste Code Description:</b>			Unspecified solvent mixture			
<b>Hazardous Waste Code:</b>			213			
<b>Waste Code Description:</b>			Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)			
<b>Hazardous Waste Code:</b>			212			
<b>Waste Code Description:</b>			Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Hazardous Waste Code:</b>			211			
<b>Waste Code Description:</b>			Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)			
<b>Hazardous Waste Code:</b>			181			
<b>Waste Code Description:</b>			Other inorganic solid waste			
<b>Hazardous Waste Code:</b>			172			
<b>Waste Code Description:</b>			Metal dust (see 121) and machining waste			
<b>Hazardous Waste Code:</b>			171			
<b>Waste Code Description:</b>			Metal sludge (see 121)			
<b>Hazardous Waste Code:</b>			162			
<b>Waste Code Description:</b>			Other spent catalyst			
<b>Hazardous Waste Code:</b>			513			
<b>Waste Code Description:</b>			Empty containers less than 30 gallons			
<b>Hazardous Waste Code:</b>			511			
<b>Waste Code Description:</b>			Empty pesticide containers 30 gallons or more			
<b>Hazardous Waste Code:</b>			481			
<b>Waste Code Description:</b>			Tetraethyl lead sludge			
<b>Hazardous Waste Code:</b>			461			
<b>Waste Code Description:</b>			Degreasing sludge			
<b>Hazardous Waste Code:</b>			441			
<b>Waste Code Description:</b>			Sulfur sludge			
<b>Hazardous Waste Code:</b>			431			
<b>Waste Code Description:</b>			Phosphate sludge			
<b>Hazardous Waste Code:</b>			421			
<b>Waste Code Description:</b>			Lime sludge			
<b>Hazardous Waste Code:</b>			411			
<b>Waste Code Description:</b>			Alum and gypsum sludge			
<b>Hazardous Waste Code:</b>			352			
<b>Waste Code Description:</b>			Other organic solids			
<b>Hazardous Waste Code:</b>			351			
<b>Waste Code Description:</b>			Organic solids with halogens			
<b>Hazardous Waste Code:</b>			343			
<b>Waste Code Description:</b>			Unspecified organic liquid mixture			
<b>Hazardous Waste Code:</b>			342			
<b>Waste Code Description:</b>			Organic liquids with metals (see 121)			
<b>Hazardous Waste Code:</b>			341			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Waste Code Description:</b>			Organic liquids (nonsolvents) with halogens			
<b>Hazardous Waste Code:</b>			331			
<b>Waste Code Description:</b>			Off-specification, aged, or surplus organics			
<b>Hazardous Waste Code:</b>			322			
<b>Waste Code Description:</b>			Biological waste other than sewage sludge			
<b>Hazardous Waste Code:</b>			321			
<b>Waste Code Description:</b>			Sewage sludge			
<b>Hazardous Waste Code:</b>			311			
<b>Waste Code Description:</b>			Pharmaceutical waste			
<b>Hazardous Waste Code:</b>			291			
<b>Waste Code Description:</b>			Latex waste			
<b>Hazardous Waste Code:</b>			281			
<b>Waste Code Description:</b>			Adhesives			
<b>Hazardous Waste Code:</b>			272			
<b>Waste Code Description:</b>			Polymeric resin waste			
<b>Hazardous Waste Code:</b>			271			
<b>Waste Code Description:</b>			Organic monomer waste (includes unreacted resins)			
<b>Hazardous Waste Code:</b>			261			
<b>Waste Code Description:</b>			Polychlorinated biphenyls and material containing PCB's			
<b>Hazardous Waste Code:</b>			252			
<b>Waste Code Description:</b>			Other still bottom waste			
<b>Hazardous Waste Code:</b>			251			
<b>Waste Code Description:</b>			Still bottoms with halogenated organics			
<b>Hazardous Waste Code:</b>			241			
<b>Waste Code Description:</b>			Tank bottom waste			
<b>Hazardous Waste Code:</b>			232			
<b>Waste Code Description:</b>			Pesticides and other waste associated with pesticide production			
<b>Hazardous Waste Code:</b>			231			
<b>Waste Code Description:</b>			Pesticide rinse water			
<b>Hazardous Waste Code:</b>			223			
<b>Waste Code Description:</b>			Unspecified oil-containing waste			
<b>Hazardous Waste Code:</b>			222			
<b>Waste Code Description:</b>			Oil/water separation sludge			
<b>Hazardous Waste Code:</b>			161			
<b>Waste Code Description:</b>			Fluid-cracking catalyst (FCC) waste			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Hazardous Waste Code:</b>			151			
<b>Waste Code Description:</b>			Asbestos-containing waste			
<b>Hazardous Waste Code:</b>			141			
<b>Waste Code Description:</b>			Off-specification, aged, or surplus inorganics			
<b>Hazardous Waste Code:</b>			135			
<b>Waste Code Description:</b>			Unspecified aqueous solution			
<b>Hazardous Waste Code:</b>			134			
<b>Waste Code Description:</b>			Aqueous solution with <10% total organic residues			
<b>Hazardous Waste Code:</b>			133			
<b>Waste Code Description:</b>			Aqueous solution with 10% or more total organic residues			
<b>Hazardous Waste Code:</b>			132			
<b>Waste Code Description:</b>			Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)			
<b>Hazardous Waste Code:</b>			131			
<b>Waste Code Description:</b>			Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)			
<b>Hazardous Waste Code:</b>			123			
<b>Waste Code Description:</b>			Unspecified alkaline solution			
<b>Hazardous Waste Code:</b>			122			
<b>Waste Code Description:</b>			Alkaline solution without metals (pH > 12.5)			
<b>Hazardous Waste Code:</b>			D032			
<b>Waste Code Description:</b>			HEXACHLOROBENZENE			
<b>Hazardous Waste Code:</b>			D030			
<b>Waste Code Description:</b>			2,4-DINITROTOLUENE			
<b>Hazardous Waste Code:</b>			D028			
<b>Waste Code Description:</b>			1,2-DICHLOROETHANE			
<b>Hazardous Waste Code:</b>			D026			
<b>Waste Code Description:</b>			CRESOL			
<b>Hazardous Waste Code:</b>			D043			
<b>Waste Code Description:</b>			VINYL CHLORIDE			
<b>Hazardous Waste Code:</b>			D042			
<b>Waste Code Description:</b>			2,4,6-TRICHLOROPHENOL			
<b>Hazardous Waste Code:</b>			D040			
<b>Waste Code Description:</b>			TRICHLORETHYLENE			
<b>Hazardous Waste Code:</b>			D038			
<b>Waste Code Description:</b>			PYRIDINE			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Hazardous Waste Code:** D036  
**Waste Code Description:** NITROBENZENE

**Hazardous Waste Code:** D034  
**Waste Code Description:** HEXACHLOROETHANE

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19860616  
**Handler Name:** LONG BEACH USD-HILL JUNIOR HIGH  
**Federal Waste Generator Code:** 1  
**Generator Code Description:** Large Quantity Generator  
**Source Type:** Notification

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> District	<b>Street 1:</b> 2425 WEBSTER AVE.
<b>Name:</b> LONG BEACH USD	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b>	<b>Country:</b> US
<b>Source Type:</b> Notification	<b>Zip Code:</b> 90810

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> District	<b>Street 1:</b> NOT REQUIRED
<b>Name:</b> LONG BEACH UNIFIED SCHOOL DISTRICT	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> NOT REQUIRED
<b>Date Ended Current:</b>	<b>State:</b> ME
<b>Phone:</b> 415-555-1212	<b>Country:</b>
<b>Source Type:</b> Notification	<b>Zip Code:</b> 99999

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> District	<b>Street 1:</b> 2425 WEBSTER AVE.
<b>Name:</b> LONG BEACH USD	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-997-8000	<b>Country:</b> US
<b>Source Type:</b> Notification	<b>Zip Code:</b> 90810

**Historical Handler Details**

**Receive Dt:** 19860616  
**Generator Code Description:** Large Quantity Generator  
**Handler Name:** LONG BEACH USD-HILL JUNIOR HIGH

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>LONG BEACH CA 90815000</b>						
<b>Epa ID:</b>	CAD981419849				<b>Facility County:</b> 19	
<b>Address 2:</b>					<b>County:</b> Los Angeles	
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAD981419849">https://hwts.dtsc.ca.gov/facility/CAD981419849</a>					

<a href="#">78</a>	1 of 1	<b>SSW</b>	<b>0.05 / 263.88</b>	<b>10.36 / -4</b>	<b>HOLLY DAVIS 787 SALIDA AVE LONG BEACH CA 908155017</b>	<b>HAZNET</b>
<b>SIC Code:</b>					<b>Mailing City:</b> LONG BEACH	
<b>NAICS Code:</b>					<b>Mailing State:</b> CA	
<b>EPA ID:</b>	CAC002729651				<b>Mailing Zip:</b> 908155017	
<b>Create Date:</b>	5/10/2013				<b>Region Code:</b> 3	
<b>Fac Act Ind:</b>	No				<b>Owner Name:</b> HOLLY DAVIS	
<b>Inact Date:</b>	8/9/2013				<b>Owner Addr 1:</b> 787 SALIDA AVE	
<b>County Code:</b>	19				<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles				<b>Owner City:</b> LONG BEACH	
<b>Mail Name:</b>					<b>Owner State:</b> CA	
<b>Mailing Addr 1:</b>	787 SALIDA AVE				<b>Owner Zip:</b> 908155017	
<b>Mailing Addr 2:</b>					<b>Owner Phone:</b> 5624308712	
<b>Owner Fax:</b>						
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>DTSC Handler Profile url:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002729651">https://hwts.dtsc.ca.gov/facility/CAC002729651</a>					

<a href="#">79</a>	1 of 1	<b>W</b>	<b>0.20 / 1,053.09</b>	<b>10.76 / -4</b>	<b>LOS ALTOS PUMP PLANT 6560 ANAHEIM RD. LONG BEACH CA</b>	<b>HIST TANK</b>
<b>Owner Name:</b>	LOS ANGELES COUNTY FLOOD CONTR				<b>No of Containers:</b> 1	
<b>Owner Street:</b>	2250 ALCAZAR ST.				<b>County:</b> LOS ANGELES	
<b>Owner City:</b>	LOS ANGELES				<b>Facility State:</b> CA	
<b>Owner State:</b>	CA				<b>Facility Zip:</b> 90815	
<b>Owner Zip:</b>	90033					

<a href="#">80</a>	1 of 1	<b>NNE</b>	<b>0.15 / 798.21</b>	<b>14.05 / 0</b>	<b>JANET OTTO 6981 E EL ROBLE ST LONG BEACH CA 90815</b>	<b>HAZ GEN</b>
<b>Epa ID:</b>	CAC002673517				<b>Facility County:</b> 19	
<b>Address 2:</b>					<b>County:</b> Los Angeles	
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002673517">https://hwts.dtsc.ca.gov/facility/CAC002673517</a>					

<a href="#">81</a>	1 of 1	<b>W</b>	<b>0.19 / 1,026.75</b>	<b>10.41 / -4</b>	<b>KRISTEN NEWMAN 6471 E EL JARDIN STREET</b>	<b>HAZ GEN</b>
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**LONG BEACH CA 90815**

**Epa ID:** CAC002885877      **Facility County:** 19  
**Address 2:**      **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002885877>

<a href="#">82</a>	1 of 1	SW	0.10 / 530.18	13.38 / -1	Long Beach Water Dept 6491 Bixby Hill Rd Long Beach CA 90815	CHMIRS
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**Control No:** 11-1172      **Notified Date:**  
**County:** Los Angeles County      **Notified Date Time:**  
**Year:** 2011  
**URL:** <https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/ab56082de14752de882578420075020d?OpenDocument>

**California Hazardous Material Incident Report System (as of 2006 to 2015)**

<b>Contained:</b> Yes	<b>3 Ves &gt;= 300 Tons:</b> No
<b>1 Substance:</b> Sewage	<b>Incident Date:</b> 2/25/2011
<b>1 Measure:</b> Gal(s)	<b>Incident Time:</b> 1030
<b>1 Other:</b>	<b>Spill Site:</b> Residence
<b>1 Quantity:</b> 250	<b>Injuries?:</b> No
<b>1 Type:</b> SEWAGE	<b>No of Injuries:</b>
<b>1 Pipeline:</b>	<b>Fatals?:</b> No
<b>1 Vessel &gt;= 300 Tons:</b> No	<b>No of Fatals:</b>
<b>2 Substance:</b>	<b>Evacs?:</b> No
<b>2 Quantity:</b>	<b>No of Evacs:</b>
<b>2 Measure:</b>	<b>Cleanup:</b> Contractor
<b>2 Type:</b>	<b>Site:</b>
<b>2 Other:</b>	<b>Cause:</b> Blockage
<b>2 Pipeline:</b>	<b>Cause Other:</b>
<b>2 Vessel &gt;= 300 Tons:</b> No	<b>Dog No:</b>
<b>3 Substance:</b>	<b>Water:</b> No
<b>3 Quantity:</b>	<b>Water Way:</b>
<b>3 Measure:</b>	<b>City:</b> Long Beach
<b>3 Type:</b>	<b>County:</b> Los Angeles County
<b>3 Other:</b>	<b>ZIP:</b> 90815
<b>3 Pipeline:</b>	
<b>Admin Agency:</b> Long Beach Fire Department	
<b>Notification Area:</b> AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS	
<b>Location:</b> 6491 Bixby Hill Rd	
<b>Description:</b> A main line overflowed due to a grease blockage.	

**Spill Report View**

**Amount 1:**      **Creation Date:** 02/25/2011 01:18 PM  
**Amount 2:**      **Received By:**  
**Amount 3:**      **Admin Agency:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Water:</b>					<b>Admin Agency 2:</b>	
<b>On Scene:</b>					<b>Additional County:</b>	
<b>Other on Scene:</b>					<b>Phone No:</b>	
<b>Other Notified:</b>					<b>Ext:</b>	
<b>Document Title:</b>	SPILL Report				<b>Pag Cell:</b>	
<b>Spill Site:</b>		Residence				
<b>Type:</b>		SEWAGE				
<b>Cause Desc for Other:</b>						
<b>Person Notifying Cal OES:</b>						

**Hazardous Materials Spill Report**

<b>Date :</b>	02/25/2011	<b>Water Involved:</b>	No
<b>Time:</b>	1318	<b>Drink Wtr Impact:</b>	
<b>Incident Date:</b>	02/25/2011	<b>Detail for Other:</b>	
<b>Incident Time:</b>	1030	<b>UPRR Rim No:</b>	
<b>Control Cal OES:</b>	11-1172	<b>DOG Unit:</b>	
<b>Control NRC:</b>		<b>RWQCB Unit:</b>	4
<b>Contained:</b>	Yes		
<b>Waterway:</b>			
<b>Received By:</b>			
<b>Cleanup By:</b>	Contractor		
<b>Incident Location:</b>	6491 Bixby Hill Rd		
<b>Additional County:</b>			
<b>1 Substance:</b>	Sewage		
<b>1 Qty:</b>	=		
<b>1 Amount :</b>	250		
<b>1 Measure:</b>	Gal(s)		
<b>1 Type:</b>	SEWAGE		
<b>1 Other:</b>			
<b>1 Pipeline:</b>	No		
<b>1 Ves &gt;= 300 Tons:</b>	No		
<b>2 Substance:</b>			
<b>2 Qty:</b>	=		
<b>2 Amount:</b>			
<b>2 Measure:</b>			
<b>2 Type:</b>			
<b>2 Other:</b>			
<b>2 Pipeline:</b>	No		
<b>2 Ves &gt;= 300 Tns:</b>	No		
<b>3 Substance:</b>			
<b>3 Qty:</b>	=		
<b>3 Amount:</b>			
<b>3 Measure:</b>			
<b>3 Type:</b>			
<b>3 Other:</b>			
<b>3 Pipeline:</b>	No		
<b>3 Ves &gt;= 300 Tons:</b>	No		
<b>Injuries:</b>	No		
<b>Fatality:</b>	No		
<b>Evacuation:</b>	No		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Known Impact:**

**Name:**

**Agency:** Long Beach Water Dept

**Phone:**

**Ext:**

**Pag Cell:**

**PRS Name:**

**PRS Agency:**

**PRS Phone:**

**PRS Ext:**

**PRS Pag Cell:**

**Sec Agency:** LACoFD Health Haz-Mat

**Admin Agency:** Long Beach Fire Department

**Admin Agency 2:**

**Notification Info:**

**Notification List:**

**On Scene:**

**Other on Scene:**

**Other Notified:** County Health, Fire

**Header Unknown:** SOUTH COAST AQMD

**Incident Desc:**

**Site:** Residence

**Reported Cause:** Blockage

**R R Crssing < 50 Ft:**

**Description:** A main line overflowed due to a grease blockage.

[83](#)

1 of 2

SE

0.14 /  
720.63

8.98 /  
-5

ROBERT ARBOIT  
133 HARVARD LANE  
SEAL BEACH CA 90740

RCRA  
NON GEN

**EPA Handler ID:** CAC002977190

**Gen Status Universe:** No Report

**Contact Name:** ROBERT NIESNER

**Contact Address:** 133 HARVARD LANE , , SEAL BEACH , CA, 90740 ,

**Contact Phone No and Ext:** 723-947-7022

**Contact Email:** DAISY@SUPERIORENV.COM

**Contact Country:**

**County Name:** ORANGE

**EPA Region:** 09

**Land Type:**

**Receive Date:** 20180823

**Location Latitude:** 33.776701

**Location Longitude:** -118.095107

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Importer Activity:</b>		No				
<b>Mixed Waste Generator:</b>		No				
<b>Transporter Activity:</b>		No				
<b>Transfer Facility:</b>		No				
<b>Onsite Burner Exemption:</b>		No				
<b>Furnace Exemption:</b>		No				
<b>Underground Injection Activity:</b>		No				
<b>Commercial TSD:</b>		No				
<b>Used Oil Transporter:</b>		No				
<b>Used Oil Transfer Facility:</b>		No				
<b>Used Oil Processor:</b>		No				
<b>Used Oil Refiner:</b>		No				
<b>Used Oil Burner:</b>		No				
<b>Used Oil Market Burner:</b>		No				
<b>Used Oil Spec Marketer:</b>		No				

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20180823  
**Handler Name:** ROBERT ARBOIT  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>	
<b>Type:</b> Other	<b>Street 1:</b>	133 HARVARD LANE
<b>Name:</b> ROBERT FAMILY TRUST	<b>Street 2:</b>	
<b>Date Became Current:</b>	<b>City:</b>	SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b>	CA
<b>Phone:</b> 723-947-7022	<b>Country:</b>	
<b>Source Type:</b> Implementer	<b>Zip Code:</b>	90740

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>	
<b>Type:</b> Other	<b>Street 1:</b>	133 HARVARD LANE
<b>Name:</b> ROBERT NIESNER	<b>Street 2:</b>	
<b>Date Became Current:</b>	<b>City:</b>	SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b>	CA
<b>Phone:</b> 723-947-7022	<b>Country:</b>	
<b>Source Type:</b> Implementer	<b>Zip Code:</b>	90740

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<a href="#">83</a>	2 of 2	SE	0.14 / 720.63	8.98 / -5	ROBERT ARBOIT 133 HARVARD LANE SEAL BEACH CA 90740	FINDS/FRS
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**Registry ID:** 110070465779  
**FIPS Code:** 06059  
**HUC Code:**  
**Site Type Name:** STATIONARY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Location Description:</b>						
<b>Supplemental Location:</b>						
<b>Create Date:</b>		02-JAN-19				
<b>Update Date:</b>						
<b>Interest Types:</b>		OTHER HAZARDOUS WASTE ACTIVITIES				
<b>SIC Codes:</b>						
<b>SIC Code Descriptions:</b>						
<b>NAICS Codes:</b>						
<b>NAICS Code Descriptions:</b>						
<b>Conveyor:</b>						
<b>Federal Facility Code:</b>						
<b>Federal Agency Name:</b>						
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b>						
<b>Census Block Code:</b>						
<b>EPA Region Code:</b>		09				
<b>County Name:</b>		ORANGE				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>						
<b>Longitude:</b>						
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>						
<b>Accuracy Value:</b>						
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070465779">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070465779</a>				
<b>Program Acronyms:</b>						
RCRAINFO:CAC002977190						

<a href="#">84</a>	1 of 1	SE	0.20 / 1,047.47	8.32 / -6	MESSENGER, MARK 141 STANFORD LN SEAL BEACH CA 907402533	HAZ GEN
<b>Epa ID:</b>	CAC002779007			<b>Facility County:</b>	30	
<b>Address 2:</b>				<b>County:</b>	Orange	
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002779007">https://hwts.dtsc.ca.gov/facility/CAC002779007</a>					

<a href="#">85</a>	1 of 2	S	0.04 / 216.84	10.69 / -4	CHERI SWATEK 6921 E SEPTIMO ST LONG BEACH CA 90815-5021	RCRA NON GEN
<b>EPA Handler ID:</b>	CAC003062443					
<b>Gen Status Universe:</b>	No Report					
<b>Contact Name:</b>	CHERI SWATEK					
<b>Contact Address:</b>	6921 E SEPTIMO ST , , LONG BEACH , CA, 90815-5021 ,					
<b>Contact Phone No and Ext:</b>	562-884-0885					
<b>Contact Email:</b>	SWATEK_CHERRY@GMAIL.COM					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Contact Country:**

**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20200404  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20200404  
**Handler Name:** CHERI SWATEK  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6921 E SEPTIMO ST
<b>Name:</b> CHERI SWATEK	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-884-0885	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815-5021

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Owner/Operator Ind:</b>	Current Operator				<b>Street No:</b>	
<b>Type:</b>	Other				<b>Street 1:</b>	6921 E SEPTIMO ST
<b>Name:</b>	CHERI SWATEK				<b>Street 2:</b>	
<b>Date Became Current:</b>					<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>					<b>State:</b>	CA
<b>Phone:</b>	562-884-0885				<b>Country:</b>	
<b>Source Type:</b>	Implementer				<b>Zip Code:</b>	90815-5021

<a href="#">85</a>	2 of 2	S	0.04 / 216.84	10.69 / -4	CHERI SWATEK 6921 E SEPTIMO ST LONG BEACH CA 90815-5021	FINDS/FRS
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**Registry ID:** 110070803562  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 10-JUN-20  
**Update Date:**  
**Interest Types:** UNSPECIFIED UNIVERSE  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070803562](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070803562)  
**Program Acronyms:**  
 RCRAINFO:CAC003062443

<a href="#">86</a>	1 of 1	S	0.04 / 207.58	10.98 / -3	MELVIN KANTZ 6911 EAST SEPTIMO STREET LONG BEACH CA 90815	HAZ GEN
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Epa ID:</b>	CAC002895970	<b>Facility County:</b>	19
<b>Address 2:</b>		<b>County:</b>	Los Angeles
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search		
<b>Handler Profile URL:</b>	https://hwts.dtsc.ca.gov/facility/CAC002895970		

<a href="#">87</a>	1 of 1	S	0.04 / 189.66	10.62 / -4	<b>KEN GENTILE 6890 E. SEPTIMO ST. LONG BEACH CA 90815</b>	HAZ GEN
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<b>Epa ID:</b>	CAC002891106	<b>Facility County:</b>	19
<b>Address 2:</b>		<b>County:</b>	Los Angeles
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search		
<b>Handler Profile URL:</b>	https://hwts.dtsc.ca.gov/facility/CAC002891106		

<a href="#">88</a>	1 of 1	S	0.04 / 187.85	10.80 / -3	<b>MANUEL LOPEZ 6860 E SEPTIMO ST LONG BEACH CA 908155018</b>	HAZ GEN
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<b>Epa ID:</b>	CAC002775509	<b>Facility County:</b>	19
<b>Address 2:</b>		<b>County:</b>	Los Angeles
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search		
<b>Handler Profile URL:</b>	https://hwts.dtsc.ca.gov/facility/CAC002775509		

<a href="#">89</a>	1 of 2	WSW	0.18 / 934.50	10.90 / -3	<b>LA COUNTY PUBLIC WORKS - ALAMITOS YARD 881 IROQUOIS ST. LONG BEACH CA 90815</b>	LUST
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<b>Global ID:</b>	T0603727690	<b>County:</b>	LOS ANGELES
<b>Status:</b>	COMPLETED - CASE CLOSED	<b>Latitude:</b>	33.778636
<b>Status Date:</b>	8/23/2006	<b>Longitude:</b>	-118.105954
<b>Case Type:</b>	LUST CLEANUP SITE		

**LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail**

<b>RB Case No:</b>	908150298	<b>Potential COC:</b>	Other Solvent or Non-Petroleum Hydrocarbon, Diesel
<b>Local Case No:</b>		<b>How Discovered:</b>	Other Means
<b>Begin Date:</b>	9/4/2003	<b>Stop Method:</b>	Other Means
<b>Lead Agency:</b>	LOS ANGELES RWQCB (REGION 4)	<b>Stop Description:</b>	UST & DISPENSER & PIPING REMOVAL
<b>Local Agency:</b>		<b>Case Worker:</b>	HDN
<b>CUF Case:</b>	NO	<b>Military DoD Site:</b>	No
<b>CalEnvScreen Score:</b>		<b>Leak Reported Dt:</b>	2004-03-22 00:00:00
<b>EPA Region:</b>	9	<b>No Further Action Dt:</b>	2006-08-23 00:00:00
<b>Qty Risd Gallons:</b>			
<b>Calenviroscreen 4 Score:</b>	10-15%		
<b>Facility Project Sub Type:</b>			
<b>Calenviroscreen 3 Score:</b>	46-50%		
<b>Potential Media of Concern:</b>	Aquifer used for drinking water supply		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>How Discovered Description:</b>		TANK REMOVAL				
<b>Calwater Watershed Name:</b>		San Gabriel River - Lower San Gabriel - Central (Split) (405.15)				
<b>DWR GW Subbasin Name:</b>		Coastal Plain Of Los Angeles - Central (4-011.04)				
<b>Disadvantaged Community:</b>						
<b>Coordinate Source:</b>		Google Geocode				
<b>Discharge Cause:</b>		Unknown				
<b>Discharge Source:</b>		Other				
<b>File Location:</b>		Regional Board				
<b>Site History:</b>						

**LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity**

<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	4/15/2004
<b>Action:</b>	Staff Letter
<b>Action Type:</b>	Other
<b>Date :</b>	9/4/2003
<b>Action:</b>	Leak Stopped
<b>Action Type:</b>	Other
<b>Date :</b>	9/4/2003
<b>Action:</b>	Leak Discovery
<b>Action Type:</b>	ENFORCEMENT
<b>Date :</b>	6/15/2009
<b>Action:</b>	Staff Letter
<b>Action Type:</b>	Other
<b>Date :</b>	3/22/2004
<b>Action:</b>	Leak Reported

**LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts**

<b>Contact Type:</b>	Regional Board Caseworker	<b>Address:</b>	320 W. 4th Street, Suite 200
<b>Contact Name:</b>	HA D. NGUYEN	<b>Email:</b>	hnguyen@waterboards.ca.gov
<b>City:</b>	LOS ANGELES	<b>Phone No:</b>	2135766658
<b>Organization Name:</b>	LOS ANGELES RWQCB (REGION 4)		
<b>Contact Type:</b>	Local Agency Caseworker	<b>Address:</b>	
<b>Contact Name:</b>	MR. JEFF BENEDICT	<b>Email:</b>	
<b>City:</b>	LONG BEACH	<b>Phone No:</b>	5625704128
<b>Organization Name:</b>	LONG BEACH		

**LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History**

<b>Status:</b>	Open - Site Assessment
<b>Status Date:</b>	9/4/2003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Status:</b>		Completed - Case Closed				
<b>Status Date:</b>		8/23/2006				
<b>Status:</b>		Open - Case Begin Date				
<b>Status Date:</b>		9/4/2003				

**LUST Sites from GeoTracker Search - Regulatory Profile**

<b>Site Facility Name:</b>	LA COUNTY PUBLIC WORKS - ALAMITOS YARD	<b>Potential COC:</b>	DIESEL, OTHER SOLVENT OR NON-PETROLEUM HYDROCARBON
<b>Site Facility Type:</b>	LUST CLEANUP SITE	<b>Facility Type:</b>	
<b>Cleanup Status:</b>	COMPLETED - CASE CLOSED	<b>Composting Method:</b>	
<b>Project Status:</b>		<b>Address:</b>	881 IROQUOIS ST.
<b>WDR Place Type:</b>		<b>City:</b>	LONG BEACH
<b>WDR File:</b>		<b>Zip:</b>	90815
<b>WDR Order:</b>		<b>County:</b>	LOS ANGELES
<b>CUF Priority Assig:</b>		<b>CUF Claim:</b>	
<b>CUF Amount Paid:</b>			
<b>File Location:</b>	REGIONAL BOARD		
<b>Designated Beneficial Use:</b>	MUN, AGR, IND, PROC		
<b>Project Oversight Agencies:</b>			
<b>Report Link:</b>	<a href="https://geotracker.waterboards.ca.gov/profile_report?global_id=T0603727690">https://geotracker.waterboards.ca.gov/profile_report?global_id=T0603727690</a>		
<b>Cleanup Status Detail:</b>	COMPLETED - CASE CLOSED AS OF 8/23/2006		
<b>Cleanup History Link:</b>	<a href="https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0603727690&amp;tabname=regulatoryhistory">https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0603727690&amp;tabname=regulatoryhistory</a>		
<b>Potential Media of Concern:</b>	AQUIFER USED FOR DRINKING WATER SUPPLY		
<b>User Defined Beneficial Use:</b>			
<b>DWR GW Sub Basin:</b>	Coastal Plain Of Los Angeles - Central (4-011.04)		
<b>Calwater Watershed Name:</b>	San Gabriel River - Lower San Gabriel - Central (Split) (405.15)		
<b>Post Closure Site Management:</b>			
<b>Future Land Use:</b>			
<b>Cleanup Oversight Agencies:</b>	LOS ANGELES RWQCB (REGION 4) (LEAD) - CASE #: 908150298 CASEWORKER: HA D. NGUYEN LONG BEACH, CITY OF		
<b>Gndwater Monitoring Freque:</b>			
<b>Designated Beneficial Use Desc:</b>	Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply		
<b>Site History:</b>			

No site history available

**LUST Sites from GeoTracker Search - Cleanup Status History**

<b>Status:</b>	Open - Site Assessment
<b>Date :</b>	9/4/2003
<b>Status:</b>	Completed - Case Closed
<b>Date :</b>	8/23/2006
<b>Status:</b>	Open - Case Begin Date
<b>Date :</b>	9/4/2003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Sites from GeoTracker Search - Regulatory Activities (as of May 27, 2022)**

**Action Type:** Other Regulatory Actions  
**Action Date:** 6/15/2009  
**Received Issue Date:** 6/15/2009  
**Action:** Staff Letter  
**Doc Link:** [https://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=T0603727690&enforcement\\_id=6020811&temptable=ENFORCEMENT](https://geotracker.waterboards.ca.gov/view_documents?global_id=T0603727690&enforcement_id=6020811&temptable=ENFORCEMENT)  
**Title Description Comments:**

**Action Type:** Other Regulatory Actions  
**Action Date:** 4/15/2004  
**Received Issue Date:** 4/15/2004  
**Action:** Staff Letter  
**Doc Link:**  
**Title Description Comments:**

**Action Type:** Leak Action  
**Action Date:** 3/22/2004  
**Received Issue Date:**  
**Action:** Leak Reported  
**Doc Link:**  
**Title Description Comments:**

**Action Type:** Leak Action  
**Action Date:** 9/4/2003  
**Received Issue Date:**  
**Action:** Leak Discovery  
**Doc Link:**  
**Title Description Comments:**

**Action Type:** Leak Action  
**Action Date:** 9/4/2003  
**Received Issue Date:**  
**Action:** Leak Stopped  
**Doc Link:**  
**Title Description Comments:**

**Sites from GeoTracker Search - Documents (as of May 27, 2022)**

**Document Type:** Site Documents **Size :**  
**Document Date:** 6/15/2009 **Submitted By:** (REGULATOR)  
**Type:** STAFF LETTER **Submitted:**  
**Title:** STAFF LETTER  
**Title Link:** [https://geotracker.waterboards.ca.gov/view\\_documents?global\\_id=T0603727690&enforcement\\_id=6020811](https://geotracker.waterboards.ca.gov/view_documents?global_id=T0603727690&enforcement_id=6020811)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			934.50	-3	ALAMITOS YARD 881 IROQUOIS ST. LONG BEACH CA 90815	
<b>Registry ID:</b> 110066812729						
<b>FIPS Code:</b>						
<b>HUC Code:</b> 18070106						
<b>Site Type Name:</b> STATIONARY						
<b>Location Description:</b>						
<b>Supplemental Location:</b>						
<b>Create Date:</b> 14-OCT-15						
<b>Update Date:</b>						
<b>Interest Types:</b> STATE MASTER						
<b>SIC Codes:</b>						
<b>SIC Code Descriptions:</b>						
<b>NAICS Codes:</b>						
<b>NAICS Code Descriptions:</b>						
<b>Conveyor:</b> FRS-GEOCODE						
<b>Federal Facility Code:</b>						
<b>Federal Agency Name:</b>						
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b> 46						
<b>Census Block Code:</b> 060375746021001						
<b>EPA Region Code:</b> 09						
<b>County Name:</b> LOS ANGELES						
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b> 33.779415						
<b>Longitude:</b> -118.106194						
<b>Reference Point:</b> ENTRANCE POINT OF A FACILITY OR STATION						
<b>Coord Collection Method:</b> ADDRESS MATCHING-HOUSE NUMBER						
<b>Accuracy Value:</b> 50						
<b>Datum:</b> NAD83						
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b> <a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066812729">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066812729</a>						
<b>Program Acronyms:</b>						
CA-ENVIROVIEW:219603						

<a href="#">90</a>	1 of 1	WNW	0.20 / 1,066.87	11.16 / -3	HAROLD SEIFER 6471 E MANTOVA ST LONG BEACH CA 90815	HAZ GEN
<b>Epa ID:</b> CAC002694721						
<b>Address 2:</b>						
<b>Details DTSC HWTS:</b> The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>						
<b>Handler Profile URL:</b> <a href="https://hwts.dtsc.ca.gov/facility/CAC002694721">https://hwts.dtsc.ca.gov/facility/CAC002694721</a>						

<a href="#">91</a>	1 of 2	NW	0.17 / 900.00	11.96 / -2	1X WACHI, FRANCIS 6530 ESPANITA ST LONG BEACH CA 908154635	HAZNET
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>SIC Code:</b>		<b>Mailing City:</b>	LONG BEACH
<b>NAICS Code:</b>		<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAC000816848	<b>Mailing Zip:</b>	908150000
<b>Create Date:</b>	8/3/1992	<b>Region Code:</b>	3
<b>Fac Act Ind:</b>	No	<b>Owner Name:</b>	F WACHI
<b>Inact Date:</b>	10/25/2000	<b>Owner Addr 1:</b>	--
<b>County Code:</b>	19	<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles	<b>Owner City:</b>	--
<b>Mail Name:</b>		<b>Owner State:</b>	99
<b>Mailing Addr 1:</b>	--	<b>Owner Zip:</b>	--
<b>Mailing Addr 2:</b>		<b>Owner Phone:</b>	0000000000
<b>Owner Fax:</b>			

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>

**DTSC Handler Profile url:** <https://hwts.dtsc.ca.gov/facility/CAC000816848>

<a href="#">91</a>	2 of 2	<b>NW</b>	<b>0.17 / 900.00</b>	<b>11.96 / -2</b>	<b>6530 ESPANITA ST LONG BEACH CA 908154635</b>	<b>HIST MANIFEST</b>
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**Gen EPA ID:** CAC000816848  
**Create Date:** 08/03/1992 0:00  
**Inact Date:** 10/25/2000 0:00:00  
**Facility Mail Street:** --  
**Facility Mail City:** LONG BEACH  
**Facility Mail State:** CA  
**Facility Mail Zip:** 908150000  
**Contact Phone(s):** 3105969211  
**File Year(s):** 1992  
**Contact Name(s):** FRANCIS WACHI OWNER

Tanner Information

**Method Description:**

**Tons:** 0  
**Year:** 1992  
**Generator County Code:** 19  
**Generator County:** Los Angeles  
**Method Code:** 3  
**Tsd County Code:** 99  
**Tsd County:** Unknown  
**State Waste Code:** 151  
**State Waste Code Desc:** Asbestos containing waste  
**Tsd Epa ID:** IRC957100891

Tanner Information

**Method Description:**

**Tons:** 0  
**Year:** 1992

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Generator County Code:</b>		19				
<b>Generator County:</b>		Los Angeles				
<b>Method Code:</b>						
<b>Tsd County Code:</b>		99				
<b>Tsd County:</b>		Unknown				
<b>State Waste Code:</b>						
<b>State Waste Code Desc:</b>						
<b>Tsd Epa ID:</b>		IRC957100891				

<a href="#">92</a>	1 of 1	WSW	0.13 / 712.64	14.99 / 1	JAMIL & SIHAM BUDEIRI 871 N RANCHO DR LONG BEACH CA 90815	HAZ GEN
<b>Epa ID:</b>	CAC002705417	<b>Facility County:</b>	19	<b>County:</b>	Los Angeles	
<b>Address 2:</b>		<b>County:</b>	Los Angeles			
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002705417">https://hwts.dtsc.ca.gov/facility/CAC002705417</a>					

<a href="#">93</a>	1 of 1	WNW	0.19 / 1,014.89	11.29 / -3	ANITA PATTEN 1411 JOSIE AVENUE LONG BEACH CA 90815	HAZ GEN
<b>Epa ID:</b>	CAC002928524	<b>Facility County:</b>		<b>County:</b>		
<b>Address 2:</b>		<b>County:</b>				
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002928524">https://hwts.dtsc.ca.gov/facility/CAC002928524</a>					

<a href="#">94</a>	1 of 6	WSW	0.17 / 898.10	11.38 / -3	ALAMITOS YARD 881 IROQUOIS AVENUE LONG BEACH CA 90815	HHSS
<b>County:</b>	Los Angeles					
<b>Tank Details Microfiche:</b>	<a href="http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000276bc.pdf">http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000276bc.pdf</a>					

<a href="#">94</a>	2 of 6	WSW	0.17 / 898.10	11.38 / -3	ALAMITOS YARD 881 IROQUOIS AVENUE LONG BEACH CA	HIST TANK
<b>Owner Name:</b>	LOS ANGELES COUNTY FLOOD CONTR	<b>No of Containers:</b>	1	<b>County:</b>	LOS ANGELES	
<b>Owner Street:</b>	2250 ALCAZAR STREET	<b>Facility State:</b>	CA	<b>Facility Zip:</b>	90815	
<b>Owner City:</b>	LOS ANGELES					
<b>Owner State:</b>	CA					
<b>Owner Zip:</b>	90031					

<a href="#">94</a>	3 of 6	WSW	0.17 / 898.10	11.38 / -3	LACDPW ALAMITOS YARD 881 IROQUOIS AVE LONG BEACH CA 90815-0000	RCRA NON GEN
<b>EPA Handler ID:</b>	CAL000200686					
<b>Gen Status Universe:</b>	No Report					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
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**Contact Name:** ADRIANA FLORES  
**Contact Address:** 900 SOUTH FREMONT AVE. , , ALHAMBRA , CA, 91803-1331 ,  
**Contact Phone No and Ext:** 626-458-7390  
**Contact Email:** AFLORES@DPW.LACOUNTY.GOV  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 19990520  
**Location Latitude:** 33.779283  
**Location Longitude:** -118.106223

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19990520  
**Handler Name:** LACDPW ALAMITOS YARD  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	900 SOUTH FREMONT AVE.
<b>Name:</b>	ADRIANA FLORES	<b>Street 2:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Date Became Current:</b>				<b>City:</b>	ALHAMBRA	
<b>Date Ended Current:</b>				<b>State:</b>	CA	
<b>Phone:</b>	626-458-7390			<b>Country:</b>		
<b>Source Type:</b>	Implementer			<b>Zip Code:</b>	91803-1331	
<b>Owner/Operator Ind:</b>				<b>Street No:</b>		
<b>Type:</b>	Other			<b>Street 1:</b>	900 S FREMONT AVE	
<b>Name:</b>	LA COUNTY PUBLIC WORKS			<b>Street 2:</b>		
<b>Date Became Current:</b>				<b>City:</b>	ALHAMBRA	
<b>Date Ended Current:</b>				<b>State:</b>	CA	
<b>Phone:</b>	626-458-7390			<b>Country:</b>		
<b>Source Type:</b>	Implementer			<b>Zip Code:</b>	91803-1331	

[94](#)    4 of 6    **WSW**    0.17 / 898.10    11.38 / -3    **LACDPW ALAMITOS YARD  
881 IROQUOIS AVE  
LONG BEACH CA 90815-0000**    [FINDS/FRS](#)

**Registry ID:** 110070447728  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 02-JAN-19  
**Update Date:**  
**Interest Types:** OTHER HAZARDOUS WASTE ACTIVITIES, TRANSPORTER  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** LOS ANGELES  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070447728](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070447728)  
**Program Acronyms:**

RCRAINFO:CAL000200686

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">94</a>	5 of 6	WSW	0.17 / 898.10	11.38 / -3	ALAMITOS YARD 881 IROQUOIS AVE LONG BEACH CA	UST SWEEPS

<b>C C:</b>	A19-060-34055	<b>D Filename:</b>	SITE01A
<b>BOE:</b>		<b>Page No:</b>	33
<b>Comp:</b>	34055	<b>County:</b>	LOS ANGELES
<b>Status:</b>	ACTIVE	<b>State :</b>	CA
<b>No of Tanks:</b>	1	<b>Zip:</b>	90815
<b>Jurisdic:</b>	CITY OF LONG BEACH	<b>Latitude:</b>	33.779486
<b>Agency:</b>	FIRE DEPARTMENT	<b>Longitude:</b>	-118.106051
<b>Phone:</b>		<b>Georesult:</b>	S5HPNTSCZA

**Tank Details**

<b>Tank ID:</b>	000001	<b>S Contain:</b>	
<b>O Tank ID:</b>	1	<b>Stg:</b>	P
<b>SWRCB No:</b>	19-060-034055-000001	<b>Storage :</b>	
<b>Removed:</b>		<b>Storag Type:</b>	PRODUCT
<b>Installed:</b>		<b>P Contain:</b>	
<b>A Date:</b>	07-01-85	<b>Content:</b>	LEADED
<b>Capac:</b>	1000	<b>ONA:</b>	
<b>Tank Use:</b>	M.V. FUEL	<b>D File Name:</b>	TANK1A

<a href="#">94</a>	6 of 6	WSW	0.17 / 898.10	11.38 / -3	LACDPW ALAMITOS YARD 881 IROQUOIS AVE LONG BEACH CA 908150000	HAZ GEN
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<b>Epa ID:</b>	CAL000200686	<b>Facility County:</b>	19
<b>Address 2:</b>		<b>County:</b>	Los Angeles
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>		
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAL000200686">https://hwts.dtsc.ca.gov/facility/CAL000200686</a>		

<a href="#">95</a>	1 of 1	N	0.06 / 291.34	12.22 / -2	KRISTIN & JUSTIN PYUN 1632 PETALUMA AVE LONG BEACH CA 90815	RCRA NON GEN
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<b>EPA Handler ID:</b>	CAC003193169
<b>Gen Status Universe:</b>	No Report
<b>Contact Name:</b>	KRISTIN & JUSTIN PYUN
<b>Contact Address:</b>	1632 PETALUMA AVE , , LONG BEACH , CA, 90815 ,
<b>Contact Phone No and Ext:</b>	808-285-5699
<b>Contact Email:</b>	KRISTINE.RAMOS@PEAS1.COM
<b>Contact Country:</b>	
<b>County Name:</b>	LOS ANGELES
<b>EPA Region:</b>	09
<b>Land Type:</b>	
<b>Receive Date:</b>	20220902
<b>Location Latitude:</b>	
<b>Location Longitude:</b>	

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20220902  
**Handler Name:** KRISTIN & JUSTIN PYUN  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 1632 PETALUMA AVE
<b>Name:</b> KRISTIN & JUSTIN PYUN	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 808-285-5699	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 1632 PETALUMA AVE
<b>Name:</b> KRISTIN & JUSTIN PYUN	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 808-285-5699	<b>Country:</b>

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Source Type:	Implementer			Zip Code:	90815	

<a href="#">96</a>	1 of 2	SSW	0.02 / 116.29	11.59 / -3	DAVID SAZEGAR 6810 SEPTIMO AVE LONG BEACH CA 90815	RCRA NON GEN
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**EPA Handler ID:** CAC002981934  
**Gen Status Universe:** No Report  
**Contact Name:** DAVID SAZEGAR  
**Contact Address:** 6810 SEPTIMO AVE , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 562-366-6057  
**Contact Email:** JOE@SIRRIS.BIZ  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20180925  
**Location Latitude:** 33.775146  
**Location Longitude:** -118.100858

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20180925  
**Handler Name:** DAVID SAZEGAR  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>				
<b>Type:</b>	Other	<b>Street 1:</b>	6810 SEPTIMO AVE			
<b>Name:</b>	DAVID SAZEGAR	<b>Street 2:</b>				
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH			
<b>Date Ended Current:</b>		<b>State:</b>	CA			
<b>Phone:</b>	562-366-6057	<b>Country:</b>				
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815			
<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>				
<b>Type:</b>	Other	<b>Street 1:</b>	6810 SEPTIMO AVE			
<b>Name:</b>	DAVID SAZEGAR	<b>Street 2:</b>				
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH			
<b>Date Ended Current:</b>		<b>State:</b>	CA			
<b>Phone:</b>	562-366-6057	<b>Country:</b>				
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815			

<a href="#">96</a>	2 of 2	SSW	0.02 / 116.29	11.59 / -3	DAVID SAZEGAR 6810 SEPTIMO AVE LONG BEACH CA 90815	FINDS/FRS
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<b>Registry ID:</b>	110070437656
<b>FIPS Code:</b>	06037
<b>HUC Code:</b>	
<b>Site Type Name:</b>	STATIONARY
<b>Location Description:</b>	
<b>Supplemental Location:</b>	
<b>Create Date:</b>	31-DEC-18
<b>Update Date:</b>	
<b>Interest Types:</b>	OTHER HAZARDOUS WASTE ACTIVITIES
<b>SIC Codes:</b>	
<b>SIC Code Descriptions:</b>	
<b>NAICS Codes:</b>	
<b>NAICS Code Descriptions:</b>	
<b>Conveyor:</b>	
<b>Federal Facility Code:</b>	
<b>Federal Agency Name:</b>	
<b>Tribal Land Code:</b>	
<b>Tribal Land Name:</b>	
<b>Congressional Dist No:</b>	
<b>Census Block Code:</b>	
<b>EPA Region Code:</b>	09
<b>County Name:</b>	LOS ANGELES
<b>US/Mexico Border Ind:</b>	
<b>Latitude:</b>	
<b>Longitude:</b>	
<b>Reference Point:</b>	
<b>Coord Collection Method:</b>	
<b>Accuracy Value:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070437656				
<b>Program Acronyms:</b>		RCRAINFO:CAC002981934				
<a href="#">97</a>	1 of 1	SE	0.16 / 857.16	8.06 / -6	MATTHEW ROPPO 125 STANFORD LN SEAL BEACH CA 907402533	HAZ GEN
<b>Epa ID:</b>		CAC002809358		<b>Facility County:</b>		30
<b>Address 2:</b>				<b>County:</b>		Orange
<b>Details DTSC HWTS:</b>		The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search				
<b>Handler Profile URL:</b>		https://hwts.dtsc.ca.gov/facility/CAC002809358				
<a href="#">98</a>	1 of 1	WSW	0.19 / 994.31	12.11 / -2	881 N IROQUOIS ST LONG BEACH CA 90815	HMS LA
<b>Site No:</b>		010772				
<b>Area:</b>		1C				
<b><u>Detail Info</u></b>						
<b>Permit No:</b>				<b>Permit Status Code:</b>		
<b>Permit Cat Desc:</b>				<b>Permit Category:</b>		
<b>Status Code:</b>		OPEN		<b>File No:</b>		010732
<b>Status Desc:</b>		File Opened, no permit exists		<b>File Name:</b>		LA CO PW SWMD ALAMITOS BARRIER
<b>Permit Status Desc:</b>						
<b>Permit Type:</b>						
<b>Permit Type Desc:</b>						
<b><u>Detail Info</u></b>						
<b>Permit No:</b>				<b>Permit Status Code:</b>		
<b>Permit Cat Desc:</b>				<b>Permit Category:</b>		
<b>Status Code:</b>		OPEN		<b>File No:</b>		069042
<b>Status Desc:</b>		File Opened, no permit exists		<b>File Name:</b>		LA CO PW SWMD ALAMITOS BARRIER
<b>Permit Status Desc:</b>						
<b>Permit Type:</b>						
<b>Permit Type Desc:</b>						
<a href="#">99</a>	1 of 1	N	0.06 / 306.85	14.06 / 0	DEBBIE TANKERSLEY 6916 E EL ROBLE ST LONG BEACH CA 908154815	HAZNET
<b>SIC Code:</b>				<b>Mailing City:</b>		LONG BEACH
<b>NAICS Code:</b>				<b>Mailing State:</b>		CA
<b>EPA ID:</b>		CAC002713589		<b>Mailing Zip:</b>		908154815

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Create Date:</b>	12/6/2012				<b>Region Code:</b>	3
<b>Fac Act Ind:</b>	No				<b>Owner Name:</b>	DEBBIE TANKERSLEY
<b>Inact Date:</b>	3/7/2013				<b>Owner Addr 1:</b>	6916 E EL ROBLE ST
<b>County Code:</b>	19				<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles				<b>Owner City:</b>	LONG BEACH
<b>Mail Name:</b>					<b>Owner State:</b>	CA
<b>Mailing Addr 1:</b>	6916 E EL ROBLE ST				<b>Owner Zip:</b>	908154815
<b>Mailing Addr 2:</b>					<b>Owner Phone:</b>	5628963758
<b>Owner Fax:</b>						
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>DTSC Handler Profile url:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002713589">https://hwts.dtsc.ca.gov/facility/CAC002713589</a>					

<a href="#">100</a>	1 of 1	<b>WNW</b>	<b>0.22 / 1,186.46</b>	<b>11.48 / -3</b>	<b>SHELDON GEBB 6450 EAST MANTOVA STREET LONG BEACH CA 90815</b>	<b>RCRA NON GEN</b>
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<b>EPA Handler ID:</b>	CAC003160220
<b>Gen Status Universe:</b>	No Report
<b>Contact Name:</b>	SHELDON GEBB
<b>Contact Address:</b>	6450 EAST MANTOVA STREET , , LONG BEACH , CA, 90815 ,
<b>Contact Phone No and Ext:</b>	562-884-0033
<b>Contact Email:</b>	KARLA@SUPERIORENV.COM
<b>Contact Country:</b>	
<b>County Name:</b>	LOS ANGELES
<b>EPA Region:</b>	09
<b>Land Type:</b>	
<b>Receive Date:</b>	20220204
<b>Location Latitude:</b>	
<b>Location Longitude:</b>	

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

<b>Importer Activity:</b>	No
<b>Mixed Waste Generator:</b>	No
<b>Transporter Activity:</b>	No
<b>Transfer Facility:</b>	No
<b>Onsite Burner Exemption:</b>	No
<b>Furnace Exemption:</b>	No
<b>Underground Injection Activity:</b>	No
<b>Commercial TSD:</b>	No
<b>Used Oil Transporter:</b>	No
<b>Used Oil Transfer Facility:</b>	No
<b>Used Oil Processor:</b>	No
<b>Used Oil Refiner:</b>	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 20220204  
 Handler Name: SHELDON GEBB  
 Source Type: Implementer  
 Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

**Owner/Operator Details**

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	6450 EAST MANTOVA STREET
Name:	SHELDON GEBB	Street 2:	
Date Became Current:		City:	LONG BEACH
Date Ended Current:		State:	CA
Phone:	562-884-0033	Country:	
Source Type:	Implementer	Zip Code:	90815

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	6450 EAST MANTOVA STREET
Name:	SHELDON GEBB	Street 2:	
Date Became Current:		City:	LONG BEACH
Date Ended Current:		State:	CA
Phone:	562-884-0033	Country:	
Source Type:	Implementer	Zip Code:	90815

<a href="#">101</a>	1 of 2	SE	0.15 / 792.56	7.15 / -7	KUBIEK, PAUL 121 STANFORD LANE SEAL BEACH CA 90740	RCRA NON GEN
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EPA Handler ID: CAC002982019  
 Gen Status Universe: No Report  
 Contact Name: KUBIEK, PAUL  
 Contact Address: 121 STANFORD LANE , , SEAL BEACH , CA, 90740 ,  
 Contact Phone No and Ext: 213-503-9988  
 Contact Email: ANDREW@PWSEI.COM  
 Contact Country:  
 County Name: ORANGE  
 EPA Region: 09  
 Land Type:  
 Receive Date: 20180925  
 Location Latitude: 33.776647  
 Location Longitude: -118.094258

**Violation/Evaluation Summary**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20180925  
**Handler Name:** KUBIEK, PAUL  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 121 STANFORD LANE
<b>Name:</b> KUBIEK, PAUL	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 213-503-9988	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90740

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 121 STANFORD LANE
<b>Name:</b> KUBIEK, PAUL	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 213-503-9988	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90740

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">101</a>	2 of 2	SE	0.15 / 792.56	7.15 / -7	KUBIEK, PAUL 121 STANFORD LANE SEAL BEACH CA 90740	FINDS/FRS

**Registry ID:** 110070438262  
**FIPS Code:** 06059  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 31-DEC-18  
**Update Date:**  
**Interest Types:** OTHER HAZARDOUS WASTE ACTIVITIES  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** ORANGE  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070438262](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070438262)  
**Program Acronyms:**  
 RCRAINFO:CAC002982019

<a href="#">102</a>	1 of 1	SE	0.10 / 541.47	8.45 / -6	BLEEKER GRAHAM 113 HARVARD LN SEAL BEACH CA 907402508	HAZ GEN
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**Epa ID:** CAC002770358  
**Address 2:**  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002770358>

<a href="#">103</a>	1 of 1	NNE	0.22 / 1,147.28	13.12 / -1	TORRES, ANGELICA 7032 E. EL CEDRAL ST. LONG BEACH CA 90815	HAZNET
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>SIC Code:</b>		<b>Mailing City:</b>	LONG BEACH
<b>NAICS Code:</b>		<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAC002752632	<b>Mailing Zip:</b>	90815
<b>Create Date:</b>	11/26/2013	<b>Region Code:</b>	3
<b>Fac Act Ind:</b>	No	<b>Owner Name:</b>	TORRES, ANGELICA
<b>Inact Date:</b>	2/25/2014	<b>Owner Addr 1:</b>	7032 E. EL CEDRAL ST.
<b>County Code:</b>	19	<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles	<b>Owner City:</b>	LONG BEACH
<b>Mail Name:</b>		<b>Owner State:</b>	CA
<b>Mailing Addr 1:</b>	7032 E. EL CEDRAL ST.	<b>Owner Zip:</b>	90815
<b>Mailing Addr 2:</b>		<b>Owner Phone:</b>	5627168033
<b>Owner Fax:</b>			

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>

**DTSC Handler Profile url:** <https://hwts.dtsc.ca.gov/facility/CAC002752632>

<a href="#">104</a>	1 of 2	<b>NNE</b>	<b>0.18 / 952.64</b>	<b>12.92 / -1</b>	<b>FRANCIS BETTIS 7011 E EL CEDRAL STREET LONG BEACH CA 90815</b>	<b>RCRA NON GEN</b>
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**EPA Handler ID:** CAC003106031  
**Gen Status Universe:** No Report  
**Contact Name:** FRANCIS BETTIS  
**Contact Address:** 7011 E EL CEDRAL STREET , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 562-787-5156  
**Contact Email:** KRISTINE.RAMOS3@GMAIL.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20210217  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 20210217  
 Handler Name: FRANCIS BETTIS  
 Source Type: Implementer  
 Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

**Owner/Operator Details**

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	7011 E EL CEDRAL STREET
Name:	FRANCIS BETTIS	Street 2:	
Date Became Current:		City:	LONG BEACH
Date Ended Current:		State:	CA
Phone:	562-787-5156	Country:	
Source Type:	Implementer	Zip Code:	90815

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	7011 E EL CEDRAL STREET
Name:	FRANCIS BETTIS	Street 2:	
Date Became Current:		City:	LONG BEACH
Date Ended Current:		State:	CA
Phone:	562-787-5156	Country:	
Source Type:	Implementer	Zip Code:	90815

**104**    2 of 2    **NNE**    0.18 / 952.64    12.92 / -1    **FRANCIS BETTIS  
7011 E EL CEDRAL ST  
LONG BEACH CA 90815**    **RCRA  
NON GEN**

EPA Handler ID: CAC003139802  
 Gen Status Universe: No Report  
 Contact Name: FRANCIS BETTIS  
 Contact Address: 7011 E EL CEDRAL ST , , LONG BEACH , CA, 90815 ,  
 Contact Phone No and Ext: 562-787-5156  
 Contact Email: KRISTINE@PEASOLUTIONS.COM  
 Contact Country:  
 County Name: LOS ANGELES  
 EPA Region: 09  
 Land Type:  
 Receive Date: 20210920  
 Location Latitude:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Location Longitude:

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20210920  
**Handler Name:** FRANCIS BETTIS  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 7011 E EL CEDRAL ST
<b>Name:</b> FRANCIS BETTIS	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-787-5156	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 7011 E EL CEDRAL ST
<b>Name:</b> FRANCIS BETTIS	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Phone:	562-787-5156				Country:	
Source Type:	Implementer				Zip Code:	90815

[105](#)    1 of 2    **NNW**    0.08 / 419.90    14.87 / 1    **EUGENE TINCHER SCHOOL SITE  
1701 PETALUMA AVENUE  
LONG BEACH CA 90815**    **SCH**

<b>Estor/EPA ID:</b>	19820023	<b>Permit Renewal Lead:</b>	
<b>Site Code:</b>	404029	<b>Project Manager:</b>	
<b>Nat Priority List:</b>	NO	<b>Supervisor:</b>	MARK MALINOWSKI
<b>Acres:</b>	NONE SPECIFIED	<b>Public Partici Spclst:</b>	
<b>Special Program:</b>		<b>Census Tract:</b>	6037574500
<b>Funding:</b>	SCHOOL DISTRICT	<b>County:</b>	LOS ANGELES
<b>Assembly District:</b>	70	<b>Latitude:</b>	33.787579
<b>Senate District:</b>	34	<b>Longitude:</b>	-118.1009082

**School District:**

**APN:** NONE SPECIFIED

**Cleanup Status:** NO ACTION REQUIRED AS OF 2/11/2000

**Cleanup Oversight Agencies:** DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY

**Site Type:** SCHOOL

**Office:** SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH

**Past Use that Caused Contam:** NONE

**Potential Media Affected:** NO MEDIA AFFECTED

**Potential Contamin of Concern:**

NO CONTAMINANTS FOUND

**SITE HISTORY:**

This project Site consists of an existing school, which was undeveloped until approximately 1964.

**Status:** NO ACTION REQUIRED

**Program Type:** SCHOOL EVALUATION

**CalEnviroScreen Score:** 15-20%

**Summary Link:** [https://www.envirostor.dtsc.ca.gov/public/profile\\_report?global\\_id=19820023](https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19820023)

[105](#)    2 of 2    **NNW**    0.08 / 419.90    14.87 / 1    **EUGENE TINCHER SCHOOL SITE  
1701 PETALUMA AVENUE  
LONG BEACH CA 90815**    **ENVIROSTOR**

<b>Estor/EPA ID:</b>	19820023	<b>Assembly District:</b>	70
<b>Site Code:</b>	404029	<b>Senate District:</b>	34
<b>Nat Priority List:</b>	NO	<b>Permit Renewal Lead:</b>	
<b>APN:</b>	NONE SPECIFIED	<b>Public Partici Spclst:</b>	
<b>Census Tract:</b>	6037574500	<b>Project Manager:</b>	
<b>Site Type:</b>	SCHOOL	<b>County:</b>	LOS ANGELES
<b>Address Description:</b>	1701 PETALUMA AVENUE	<b>Latitude:</b>	33.787579
<b>Office:</b>	SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH	<b>Longitude:</b>	-118.1009082
<b>Special Program:</b>		<b>Acres:</b>	NONE SPECIFIED
<b>Funding:</b>	SCHOOL DISTRICT	<b>Supervisor:</b>	MARK MALINOWSKI
<b>Cleanup Status:</b>	NO ACTION REQUIRED AS OF 2/11/2000		
<b>Cleanup Oversight Agencies:</b>	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY		
<b>School District:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Past Use that Caused Contam:** NONE  
**Potential Media Affected:** NO MEDIA AFFECTED  
**Potential Contaminant of Concern:**  
 NO CONTAMINANTS FOUND

**Site History:**

This project Site consists of an existing school, which was undeveloped until approximately 1964.

**Status:** NO ACTION REQUIRED  
**Program Type:** SCHOOL EVALUATION  
**CalEnviroScreen Score:** 15-20%  
**Summary Link:** [https://www.envirostor.dtsc.ca.gov/public/profile\\_report?global\\_id=19820023](https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19820023)

<a href="#">106</a>	1 of 2	SE	0.10 / 526.86	8.57 / -6	STEVE JONES 108 HARVARD LN SEAL BEACH CA 90740-2509	RCRA NON GEN
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**EPA Handler ID:** CAC003057488  
**Gen Status Universe:** No Report  
**Contact Name:** STEVE JONES  
**Contact Address:** 108 HARVARD LN , , SEAL BEACH , CA, 90740-2509 ,  
**Contact Phone No and Ext:** 714-336-1561  
**Contact Email:** MANIFEST.SIRRIS@GMAIL.COM  
**Contact Country:**  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20200225  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 20200225  
 Handler Name: STEVE JONES  
 Source Type: Implementer  
 Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

**Owner/Operator Details**

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	108 HARVARD LN
Name:	STEVE JONES	Street 2:	
Date Became Current:		City:	SEAL BEACH
Date Ended Current:		State:	CA
Phone:	714-336-1561	Country:	
Source Type:	Implementer	Zip Code:	90740-2509

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	108 HARVARD LN
Name:	STEVE JONES	Street 2:	
Date Became Current:		City:	SEAL BEACH
Date Ended Current:		State:	CA
Phone:	714-336-1561	Country:	
Source Type:	Implementer	Zip Code:	90740-2509

[106](#)

2 of 2

SE

0.10 /  
526.86

8.57 /  
-6

STEVE JONES  
108 HARVARD LN  
SEAL BEACH CA 90740-2509

FINDS/FRS

Registry ID: 110070804861  
 FIPS Code: 06059  
 HUC Code:  
 Site Type Name: STATIONARY  
 Location Description:  
 Supplemental Location:  
 Create Date: 10-JUN-20  
 Update Date:  
 Interest Types: UNSPECIFIED UNIVERSE  
 SIC Codes:  
 SIC Code Descriptions:  
 NAICS Codes:  
 NAICS Code Descriptions:  
 Conveyor:  
 Federal Facility Code:  
 Federal Agency Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b>						
<b>Census Block Code:</b>						
<b>EPA Region Code:</b>		09				
<b>County Name:</b>		ORANGE				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>						
<b>Longitude:</b>						
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>						
<b>Accuracy Value:</b>						
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070804861				
<b>Program Acronyms:</b>						
RCRAINFO:CAC003057488						

<a href="#">107</a>	1 of 2	SE	0.20 / 1,047.36	8.46 / -6	FEDERICO & NANCY JIMENEZ 117 YALE LANE SEAL BEACH CA 90740	RCRA NON GEN
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**EPA Handler ID:** CAC003051585  
**Gen Status Universe:** No Report  
**Contact Name:** FEDERICO & NANCY JIMENEZ  
**Contact Address:** 117 YALE LANE , , SEAL BEACH , CA, 90740 ,  
**Contact Phone No and Ext:** 310-930-0533  
**Contact Email:** NANCYRUIZ@ALLIANCE-ENVIRO.COM  
**Contact Country:**  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20200117  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Underground Injection Activity:</b>	No					
<b>Commercial TSD:</b>	No					
<b>Used Oil Transporter:</b>	No					
<b>Used Oil Transfer Facility:</b>	No					
<b>Used Oil Processor:</b>	No					
<b>Used Oil Refiner:</b>	No					
<b>Used Oil Burner:</b>	No					
<b>Used Oil Market Burner:</b>	No					
<b>Used Oil Spec Marketer:</b>	No					

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20200117  
**Handler Name:** FEDERICO & NANCY JIMENEZ  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>	
<b>Type:</b> Other	<b>Street 1:</b>	117 YALE LANE
<b>Name:</b> FEDERICO & NANCY JIMENEZ	<b>Street 2:</b>	
<b>Date Became Current:</b>	<b>City:</b>	SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b>	CA
<b>Phone:</b> 310-930-0533	<b>Country:</b>	
<b>Source Type:</b> Implementer	<b>Zip Code:</b>	90740

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>	
<b>Type:</b> Other	<b>Street 1:</b>	117 YALE LANE
<b>Name:</b> FEDERICO & NANCY JIMENEZ	<b>Street 2:</b>	
<b>Date Became Current:</b>	<b>City:</b>	SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b>	CA
<b>Phone:</b> 310-930-0533	<b>Country:</b>	
<b>Source Type:</b> Implementer	<b>Zip Code:</b>	90740

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<a href="#">107</a>	2 of 2	SE	0.20 / 1,047.36	8.46 / -6	FEDERICO & NANCY JIMENEZ 117 YALE LANE SEAL BEACH CA 90740	<a href="#">FINDS/FRS</a>
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**Registry ID:** 110070718028  
**FIPS Code:** 06059  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 02-MAY-20  
**Update Date:**  
**Interest Types:** UNSPECIFIED UNIVERSE  
**SIC Codes:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**SIC Code Descriptions:**

**NAICS Codes:**

**NAICS Code Descriptions:**

**Conveyor:**

**Federal Facility Code:**

**Federal Agency Name:**

**Tribal Land Code:**

**Tribal Land Name:**

**Congressional Dist No:**

**Census Block Code:**

**EPA Region Code:** 09

**County Name:** ORANGE

**US/Mexico Border Ind:**

**Latitude:**

**Longitude:**

**Reference Point:**

**Coord Collection Method:**

**Accuracy Value:**

**Datum:** NAD83

**Source:**

**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070718028](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070718028)

**Program Acronyms:**

RCRAINFO:CAC003051585

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1 of 4

**NNW**

**0.13 /  
669.51**

**14.71 /  
0**

**LONG BEACH USD-TINCHER  
ELEMENTARY  
1701 PETALUMA AVENUE  
LONG BEACH CA 90815-4855**

[FINDS/FRS](#)

**Registry ID:**

110002700239

**FIPS Code:**

06037

**HUC Code:**

18070106

**Site Type Name:**

STATIONARY

**Location Description:**

**Supplemental Location:**

**Create Date:**

01-MAR-00

**Update Date:**

13-DEC-10

**Interest Types:**

LQG, STATE MASTER

**SIC Codes:**

**SIC Code Descriptions:**

**NAICS Codes:**

**NAICS Code Descriptions:**

**Conveyor:**

FRS-GEOCODE

**Federal Facility Code:**

**Federal Agency Name:**

**Tribal Land Code:**

**Tribal Land Name:**

**Congressional Dist No:**

46

**Census Block Code:**

060375745003001

**EPA Region Code:**

09

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>County Name:</b>		LOS ANGELES				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>		33.787346				
<b>Longitude:</b>		-118.100568				
<b>Reference Point:</b>		ENTRANCE POINT OF A FACILITY OR STATION				
<b>Coord Collection Method:</b>		ADDRESS MATCHING-HOUSE NUMBER				
<b>Accuracy Value:</b>		50				
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002700239				
<b>Program Acronyms:</b>						
HWTS-DATAMART:CAD981421191, RCRAINFO:CAD981421191						

<a href="#">108</a>	2 of 4	<b>NNW</b>	<b>0.13 / 669.51</b>	<b>14.71 / 0</b>	<b>LONG BEACH USD-TINCHER ELEMENTARY 1701 PETALUMA AVENUE LONG BEACH CA 90815</b>	<b>RCRA LQG</b>
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**EPA Handler ID:** CAD981421191  
**Gen Status Universe:** Large Quantity Generator  
**Contact Name:** ENVIRONMENTAL MANAGER  
**Contact Address:** 1701 PETALUMA AVENUE , , LONG BEACH , CA, 90815 , US  
**Contact Phone No and Ext:** 213-426-5974  
**Contact Email:**  
**Contact Country:** US  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:** Other  
**Receive Date:** 19860616  
**Location Latitude:** 33.787159  
**Location Longitude:** -118.100664

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 19860616  
 Handler Name: LONG BEACH USD-TINCHER ELEMENTARY  
 Federal Waste Generator Code: 1  
 Generator Code Description: Large Quantity Generator  
 Source Type: Notification

**Owner/Operator Details**

Owner/Operator Ind:	Current Owner	Street No:	
Type:	District	Street 1:	NOT REQUIRED
Name:	LONG BEACH UNIFIED SCHOOL DISTRICT	Street 2:	
Date Became Current:		City:	NOT REQUIRED
Date Ended Current:		State:	ME
Phone:	415-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

<a href="#">108</a>	3 of 4	NNW	0.13 / 669.51	14.71 / 0	LBUSD-TINCHER ELEMENTARY 1701 PETALUMA AVE LONG BEACH CA 908154855	HAZ GEN
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Epa ID: CAD981421191 Facility County: 19  
 Address 2: County: Los Angeles  
 Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
 Handler Profile URL: <https://hwts.dtsc.ca.gov/facility/CAD981421191>

<a href="#">108</a>	4 of 4	NNW	0.13 / 669.51	14.71 / 0	LONG BCH USD/TINCHER ELEM SCH 1701 PETALUMA AVE LONG BEACH CA 908150000	HAZ GEN
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Epa ID: CAC001352120 Facility County: 19  
 Address 2: County: Los Angeles  
 Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
 Handler Profile URL: <https://hwts.dtsc.ca.gov/facility/CAC001352120>

<a href="#">109</a>	1 of 2	SE	0.16 / 858.47	10.42 / -4	CHRISTY HOOVER 112 STANFORDLN SEAL BEACH CA 90740	RCRA NON GEN
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EPA Handler ID: CAC002981167

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Gen Status Universe:** No Report  
**Contact Name:** CHRISTY HOOVER  
**Contact Address:** 112 STANFORDLN , , SEAL BEACH , CA, 90740 ,  
**Contact Phone No and Ext:** 678-772-0958  
**Contact Email:** KC@AQHIINC.COM  
**Contact Country:**  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20180920  
**Location Latitude:** 33.776368  
**Location Longitude:** -118.093986

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20180920  
**Handler Name:** CHRISTY HOOVER  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

**Owner/Operator Ind:** Current Operator  
**Type:** Other  
**Street No:**  
**Street 1:** 112 STANFORDLN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Name:</b>	CHRISTY HOOVER				<b>Street 2:</b>	
<b>Date Became Current:</b>					<b>City:</b>	SEAL BEACH
<b>Date Ended Current:</b>					<b>State:</b>	CA
<b>Phone:</b>	678-772-0958				<b>Country:</b>	
<b>Source Type:</b>	Implementer				<b>Zip Code:</b>	90740
<b>Owner/Operator Ind:</b>	Current Owner				<b>Street No:</b>	
<b>Type:</b>	Other				<b>Street 1:</b>	112 STANFORDLN
<b>Name:</b>	CHRISTY HOOVER				<b>Street 2:</b>	
<b>Date Became Current:</b>					<b>City:</b>	SEAL BEACH
<b>Date Ended Current:</b>					<b>State:</b>	CA
<b>Phone:</b>	678-772-0958				<b>Country:</b>	
<b>Source Type:</b>	Implementer				<b>Zip Code:</b>	90740

[109](#)    2 of 2    **SE**    **0.16 / 858.47**    **10.42 / -4**    **CHRISTY HOOVER  
112 STANFORDLN  
SEAL BEACH CA 90740**    [FINDS/FRS](#)

**Registry ID:** 110070438021  
**FIPS Code:** 06059  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 31-DEC-18  
**Update Date:**  
**Interest Types:** OTHER HAZARDOUS WASTE ACTIVITIES  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** ORANGE  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070438021](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070438021)  
**Program Acronyms:**

RCRAINFO:CAC002981167

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<a href="#">110</a>	1 of 2	NNW	0.11 / 583.79	15.03 / 1	EUGENE TINCHER SCHOOL SITE 1701 PETALUMA AVENUE LONG BEACH CA 90815	SCH
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<b>Estor/EPA ID:</b>	19820122	<b>Permit Renewal Lead:</b>	
<b>Site Code:</b>	404029, 404091	<b>Project Manager:</b>	
<b>Nat Priority List:</b>	NO	<b>Supervisor:</b>	MARK MALINOWSKI
<b>Acres:</b>	NONE SPECIFIED	<b>Public Partici Spclst:</b>	
<b>Special Program:</b>		<b>Census Tract:</b>	6037574500
<b>Funding:</b>	SCHOOL DISTRICT	<b>County:</b>	LOS ANGELES
<b>Assembly District:</b>	70	<b>Latitude:</b>	33.7875863670913
<b>Senate District:</b>	34	<b>Longitude:</b>	-118.101462639127
<b>School District:</b>	LONG BEACH UNIFIED SCHOOL DISTRICT		
<b>APN:</b>	NONE SPECIFIED		
<b>Cleanup Status:</b>	NO ACTION REQUIRED AS OF 2/11/2000		
<b>Cleanup Oversight Agencies:</b>	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY		
<b>Site Type:</b>	SCHOOL		
<b>Office:</b>	SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH		
<b>Past Use that Caused Contam:</b>	SCHOOL - ELEMENTARY		
<b>Potential Media Affected:</b>	NO MEDIA AFFECTED		
<b>Potential Contamin of Concern:</b>			

NO CONTAMINANTS FOUND

**SITE HISTORY:**

DTSC approved the Phase I with a no action determination.

<b>Status:</b>	NO ACTION REQUIRED
<b>Program Type:</b>	SCHOOL EVALUATION
<b>CalEnviroScreen Score:</b>	15-20%
<b>Summary Link:</b>	<a href="https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19820122">https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19820122</a>

**Completed Activities**

<b>Title:</b>	Phase 1
<b>Title Link:</b>	<a href="https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19820122&amp;doc_id=6002264">https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19820122&amp;doc_id=6002264</a>
<b>Area Name:</b>	
<b>Area Link:</b>	
<b>Sub Area:</b>	
<b>Sub Area Link:</b>	
<b>Document Type:</b>	Phase 1
<b>Date Completed:</b>	2/11/2000
<b>Comments:</b>	

<b>Title:</b>	* Site Visit - Site Inspections/visit
<b>Title Link:</b>	
<b>Area Name:</b>	
<b>Area Link:</b>	
<b>Sub Area:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Sub Area Link:**

**Document Type:** Site Inspections/Visit (Non LUR)  
**Date Completed:** 2/4/2000  
**Comments:**

<a href="#">110</a>	2 of 2	NNW	0.11 / 583.79	15.03 / 1	EUGENE TINCHER SCHOOL SITE 1701 PETALUMA AVENUE LONG BEACH CA 90815	ENVIROSTOR
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<b>Estor/EPA ID:</b>	19820122	<b>Assembly District:</b>	70
<b>Site Code:</b>	404029, 404091	<b>Senate District:</b>	34
<b>Nat Priority List:</b>	NO	<b>Permit Renewal Lead:</b>	
<b>APN:</b>	NONE SPECIFIED	<b>Public Partici Spclst:</b>	
<b>Census Tract:</b>	6037574500	<b>Project Manager:</b>	
<b>Site Type:</b>	SCHOOL	<b>County:</b>	LOS ANGELES
<b>Address Description:</b>	1701 PETALUMA AVENUE	<b>Latitude:</b>	33.7875863670913
<b>Office:</b>	SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH	<b>Longitude:</b>	-118.101462639127
<b>Special Program:</b>		<b>Acres:</b>	NONE SPECIFIED
<b>Funding:</b>	SCHOOL DISTRICT	<b>Supervisor:</b>	MARK MALINOWSKI
<b>Cleanup Status:</b>	NO ACTION REQUIRED AS OF 2/11/2000		
<b>Cleanup Oversight Agencies:</b>	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY		
<b>School District:</b>	LONG BEACH UNIFIED SCHOOL DISTRICT		
<b>Past Use that Caused Contam:</b>	SCHOOL - ELEMENTARY		
<b>Potential Media Affected:</b>	NO MEDIA AFFECTED		
<b>Potential Contamin of Concern:</b>			

NO CONTAMINANTS FOUND

**Site History:**

DTSC approved the Phase I with a no action determination.

<b>Status:</b>	NO ACTION REQUIRED
<b>Program Type:</b>	SCHOOL EVALUATION
<b>CalEnviroScreen Score:</b>	15-20%
<b>Summary Link:</b>	<a href="https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19820122">https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19820122</a>

**Completed Activities**

**Title:** \* Site Visit - Site Inspections/visit  
**Title Link:**  
**Area Name:**  
**Area Link:**  
**Sub Area:**  
**Sub Area Link:**  
**Document Type:** Site Inspections/Visit (Non LUR)  
**Date Completed:** 2/4/2000  
**Comments:**

**Title:** Phase 1  
**Title Link:** [https://www.envirostor.dtsc.ca.gov/public/final\\_documents2?global\\_id=19820122&doc\\_id=6002264](https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=19820122&doc_id=6002264)  
**Area Name:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Area Link:

Sub Area:

Sub Area Link:

Document Type: Phase 1

Date Completed: 2/11/2000

Comments:

<a href="#">111</a>	1 of 1	SE	0.19 / 1,022.04	8.12 / -6	ROD JUNE 113 YALE LN SEAL BEACH CA 907402521	HAZ GEN
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Epa ID: CAC002813896

Facility County: 30

Address 2: County: Orange

Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:

<https://hwts.dtsc.ca.gov/search>

Handler Profile URL: <https://hwts.dtsc.ca.gov/facility/CAC002813896>

<a href="#">112</a>	1 of 1	NW	0.22 / 1,173.11	12.21 / -2	Long Beach Fire Dept 1501 Josie Ave Long Beach CA	CHMIRS
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Control No: Notified Date: 3/23/200203:29:39 PM

County: Los Angeles County Notified Date Time:

Year: 2002

URL:

**California Hazardous Material Incident Report System (as of 1997 to 2005)**

Contained:	Yes	Bbls:	0
Substance:	Unknown	Cups:	0
Incident Date:	3/23/200212:00:00 AM	Cu Ft:	0
No of Injuries:	0	Gals:	200
No of Fatals:	0	Grams:	0
No of Evacs:	0	Lbs:	0
Cleanup:	Unknown	Liters:	0
Water:	Yes	Oz:	0
Water Way:	Storm Drain/ Ocean	Pts:	0
City:	Long Beach	Qts:	0
County:	Los Angeles County	Sheen:	0
ZIP:		Tons:	0
Site:	Residence	Unknown:	0

Admin Agency: Long Beach Fire Department

Location: 1501 Josie Ave

Description: Substance was released due to unknown persons releasing substance from a jacuzzi .Note: Substance is believed to be a de-scaling substance found in jacuzzi's

<a href="#">113</a>	1 of 1	NNE	0.12 / 610.94	13.44 / -1	DAN MCDONALD 6958 E. EL CEDRAL STREET LONG BEACH CA 90815	HAZ GEN
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Epa ID: CAC002929124

Facility County: 19

Address 2: County: Los Angeles

Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002929124>

<a href="#">114</a>	1 of 1	<b>NNE</b>	<b>0.12 / 611.83</b>	<b>13.80 / 0</b>	<b>DAN MCDONALD 6958 EAST EL CEDRAL ST LONG BEACH CA 90815</b>	<b>RCRA NON GEN</b>
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**EPA Handler ID:** CAC003135744  
**Gen Status Universe:** No Report  
**Contact Name:** DAN MCDONALD  
**Contact Address:** 6958 EAST EL CEDRAL ST , , LONG BEACH , CA, 90815 ,  
**Contact Phone No and Ext:** 562-760-2963  
**Contact Email:** EPA4HAZ@GMAIL.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20210824  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20210824  
**Handler Name:** DAN MCDONALD  
**Source Type:** Implementer

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6958 EAST EL CEDRAL ST
<b>Name:</b>	DAN MCDONALD	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-760-2963	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6958 EAST EL CEDRAL ST
<b>Name:</b>	DAN MCDONALD	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-760-2963	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<a href="#"><u>115</u></a>	1 of 1	<b>NW</b>	<b>0.22 / 1,147.29</b>	<b>10.30 / -4</b>	<b>FOSTER, MERLE 6510 E DRISCOLL ST LONG BEACH CA 908154630</b>	<b>HAZ GEN</b>
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**Epa ID:** CAC002750498      **Facility County:** 19  
**Address 2:**      **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002750498>

<a href="#"><u>116</u></a>	1 of 1	<b>SE</b>	<b>0.20 / 1,044.78</b>	<b>7.87 / -6</b>	<b>CARRIE MARINOW 108 YALE LN SEAL BEACH CA 90740</b>	<b>HAZ GEN</b>
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**Epa ID:** CAC002934317      **Facility County:** 30  
**Address 2:**      **County:** Orange  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002934317>

<a href="#"><u>117</u></a>	1 of 2	<b>WSW</b>	<b>0.19 / 987.76</b>	<b>30.62 / 16</b>	<b>MICHELLE THOMPSON 6441 E BIXBY HILL RD LONG BEACH CA 90815-4708</b>	<b>RCRA NON GEN</b>
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**EPA Handler ID:** CAC003029277  
**Gen Status Universe:** No Report  
**Contact Name:** MICHELLE THOMPSON  
**Contact Address:** 6441 E BIXBY HILL RD , , LONG BEACH , CA, 90815-4708 ,  
**Contact Phone No and Ext:** 562-508-5794  
**Contact Email:** KC@AQHIINC.COM  
**Contact Country:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20190814  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20190814  
**Handler Name:** MICHELLE THOMPSON  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6441 E BIXBY HILL RD
<b>Name:</b> MICHELLE THOMPSON	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-508-5794	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815-4708



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>NAICS Code:</b>					<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAC002794860				<b>Mailing Zip:</b>	90815
<b>Create Date:</b>	11/24/2014				<b>Region Code:</b>	3
<b>Fac Act Ind:</b>	No				<b>Owner Name:</b>	BERNADINE KUSSMAN
<b>Inact Date:</b>	2/23/2015				<b>Owner Addr 1:</b>	6431 E BIXBY HILL RD.
<b>County Code:</b>	19				<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles				<b>Owner City:</b>	LONG BEACH
<b>Mail Name:</b>					<b>Owner State:</b>	CA
<b>Mailing Addr 1:</b>	6431 E BIXBY HILL RD.				<b>Owner Zip:</b>	90815
<b>Mailing Addr 2:</b>					<b>Owner Phone:</b>	5624301122
<b>Owner Fax:</b>						
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>DTSC Handler Profile url:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002794860">https://hwts.dtsc.ca.gov/facility/CAC002794860</a>					

<a href="#">119</a>	1 of 1	SE	0.08 / 424.54	8.61 / -6	VANWEY, STEVEN 116 COLLEGE PARK DR SEAL BEACH CA 907402502	HAZ GEN
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<b>Epa ID:</b>	CAC002774010				<b>Facility County:</b>	30
<b>Address 2:</b>					<b>County:</b>	Orange
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002774010">https://hwts.dtsc.ca.gov/facility/CAC002774010</a>					

<a href="#">120</a>	1 of 2	NW	0.24 / 1,264.60	11.37 / -3	CHAVEZ, MARK 6291 E. DRISCOLL STREET LONG BEACH CA 90815	RCRA NON GEN
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<b>EPA Handler ID:</b>	CAC002976661
<b>Gen Status Universe:</b>	No Report
<b>Contact Name:</b>	CHAVEZ, MARK
<b>Contact Address:</b>	6291 E. DRISCOLL STREET , , LONG BEACH , CA, 90815 ,
<b>Contact Phone No and Ext:</b>	562-833-4440
<b>Contact Email:</b>	ANDREW@PWSEI.COM
<b>Contact Country:</b>	
<b>County Name:</b>	LOS ANGELES
<b>EPA Region:</b>	09
<b>Land Type:</b>	
<b>Receive Date:</b>	20180820
<b>Location Latitude:</b>	33.785973
<b>Location Longitude:</b>	-118.105013

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Importer Activity:</b>		No				
<b>Mixed Waste Generator:</b>		No				
<b>Transporter Activity:</b>		No				
<b>Transfer Facility:</b>		No				
<b>Onsite Burner Exemption:</b>		No				
<b>Furnace Exemption:</b>		No				
<b>Underground Injection Activity:</b>		No				
<b>Commercial TSD:</b>		No				
<b>Used Oil Transporter:</b>		No				
<b>Used Oil Transfer Facility:</b>		No				
<b>Used Oil Processor:</b>		No				
<b>Used Oil Refiner:</b>		No				
<b>Used Oil Burner:</b>		No				
<b>Used Oil Market Burner:</b>		No				
<b>Used Oil Spec Marketer:</b>		No				

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20180820  
**Handler Name:** CHAVEZ, MARK  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6291 E. DRISCOLL STREET
<b>Name:</b> CHAVEZ, MARK	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-833-4440	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 6291 E. DRISCOLL STREET
<b>Name:</b> CHAVEZ, MARK	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> LONG BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-833-4440	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90815

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<a href="#">120</a>	2 of 2	NW	0.24 / 1,264.60	11.37 / -3	CHAVEZ, MARK 6291 E. DRISCOLL STREET LONG BEACH CA 90815	FINDS/FRS
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**Registry ID:** 110070465271  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Location Description:</b>						
<b>Supplemental Location:</b>						
<b>Create Date:</b>		02-JAN-19				
<b>Update Date:</b>						
<b>Interest Types:</b>		OTHER HAZARDOUS WASTE ACTIVITIES				
<b>SIC Codes:</b>						
<b>SIC Code Descriptions:</b>						
<b>NAICS Codes:</b>						
<b>NAICS Code Descriptions:</b>						
<b>Conveyor:</b>						
<b>Federal Facility Code:</b>						
<b>Federal Agency Name:</b>						
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b>						
<b>Census Block Code:</b>						
<b>EPA Region Code:</b>		09				
<b>County Name:</b>		LOS ANGELES				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>						
<b>Longitude:</b>						
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>						
<b>Accuracy Value:</b>						
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070465271">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070465271</a>				
<b>Program Acronyms:</b>						
RCRAINFO:CAC002976661						

<a href="#">121</a>	1 of 1	SE	0.18 / 951.16	7.24 / -7	THOMAS J KAMPWIRTH TR 149 COLLEGE PARK DR SEAL BEACH CA 90740	RCRA NON GEN
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**EPA Handler ID:** CAC003192748  
**Gen Status Universe:** No Report  
**Contact Name:** THOMAS KAMPWIRTH  
**Contact Address:** 149 COLLEGE PARK DR , , SEAL BEACH , CA, 90740 ,  
**Contact Phone No and Ext:** 562-596-3672  
**Contact Email:** FAVILA@BURNS-ENVIRO.COM  
**Contact Country:**  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20220831  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20220831  
**Handler Name:** THOMAS J KAMPWIRTH TR  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 149 COLLEGE PARK DR
<b>Name:</b> THOMAS KAMPWIRTH	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-596-3672	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90740

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 149 COLLEGE PARK DR
<b>Name:</b> THOMAS J KAMPWIRTH TR	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-596-3672	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90740

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">122</a>	1 of 1	SE	0.20 / 1,046.24	7.98 / -6	PHIL MORRILL 156 COLLEGE PARK DR SEAL BEACH CA 90740	HAZNET

<b>SIC Code:</b>		<b>Mailing City:</b>	SEAL BEACH
<b>NAICS Code:</b>		<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAC002686773	<b>Mailing Zip:</b>	90740
<b>Create Date:</b>	2/23/2012	<b>Region Code:</b>	4
<b>Fac Act Ind:</b>	No	<b>Owner Name:</b>	PHIL MORRILL
<b>Inact Date:</b>	8/22/2012	<b>Owner Addr 1:</b>	156 COLLEGE PARK DR
<b>County Code:</b>	30	<b>Owner Addr 2:</b>	
<b>County Name:</b>	Orange	<b>Owner City:</b>	SEAL BEACH
<b>Mail Name:</b>		<b>Owner State:</b>	CA
<b>Mailing Addr 1:</b>	156 COLLEGE PARK DR	<b>Owner Zip:</b>	90740
<b>Mailing Addr 2:</b>		<b>Owner Phone:</b>	5625962650
<b>Owner Fax:</b>			

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:

<https://hwts.dtsc.ca.gov/search>

**DTSC Handler Profile url:** <https://hwts.dtsc.ca.gov/facility/CAC002686773>

<a href="#">123</a>	1 of 1	SW	0.15 / 807.93	20.51 / 6	So. CA Edison 6485 Surrey Long Beach CA 91770	CHMIRS
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<b>Control No:</b>		<b>Notified Date:</b>	2/11/200301:14:15 PM
<b>County:</b>	Los Angeles County	<b>Notified Date Time:</b>	
<b>Year:</b>	2003		
<b>URL:</b>			

**California Hazardous Material Incident Report System (as of 1997 to 2005)**

<b>Contained:</b>	Yes	<b>Bbls:</b>	0
<b>Substance:</b>	Unk. PCB Mineral Oil	<b>Cups:</b>	0
<b>Incident Date:</b>	2/11/200312:00:00 AM	<b>Cu Ft:</b>	0
<b>No of Injuries:</b>	0	<b>Gals:</b>	5
<b>No of Fatal:</b>	0	<b>Grams:</b>	0
<b>No of Evacs:</b>	0	<b>Lbs:</b>	0
<b>Cleanup:</b>	Contractor	<b>Liters:</b>	0
<b>Water:</b>	No	<b>Oz:</b>	0
<b>Water Way:</b>		<b>Pts:</b>	0
<b>City:</b>	Long Beach	<b>Qts:</b>	0
<b>County:</b>	Los Angeles County	<b>Sheen:</b>	0
<b>ZIP:</b>	91770	<b>Tons:</b>	0
<b>Site:</b>	Other	<b>Unknown:</b>	0

**Admin Agency:** Long Beach Fire Department  
**Location:** 6485 Surrey  
**Description:** On regular check up, discovered this old transformer was leaking

<a href="#">124</a>	1 of 2	WSW	0.22 / 1,172.00	43.97 / 30	1X SEAGER, PAM 6400 BIXBY HILL RD LONG BEACH CA 908150000	HAZNET
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>SIC Code:</b>					<b>Mailing City:</b>	LONG BEACH
<b>NAICS Code:</b>					<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAC000548832				<b>Mailing Zip:</b>	908150000
<b>Create Date:</b>	12/17/1990				<b>Region Code:</b>	3
<b>Fac Act Ind:</b>	No				<b>Owner Name:</b>	PAM SEAGER
<b>Inact Date:</b>	10/25/2000				<b>Owner Addr 1:</b>	--
<b>County Code:</b>	19				<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles				<b>Owner City:</b>	--
<b>Mail Name:</b>					<b>Owner State:</b>	99
<b>Mailing Addr 1:</b>	6400 BIXBY HILL RD				<b>Owner Zip:</b>	--
<b>Mailing Addr 2:</b>					<b>Owner Phone:</b>	0000000000
<b>Owner Fax:</b>						

**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**DTSC Handler Profile url:** <https://hwts.dtsc.ca.gov/facility/CAC000548832>

<a href="#">124</a>	2 of 2	<b>WSW</b>	<b>0.22 / 1,172.00</b>	<b>43.97 / 30</b>	<b>6400 BIXBY HILL RD LONG BEACH CA 908150000</b>	<b>HIST MANIFEST</b>
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**Gen EPA ID:** CAC000548832  
**Create Date:** 12/17/1990 0:00:00  
**Inact Date:** 10/25/2000 0:00:00  
**Facility Mail Street:** 6400 BIXBY HILL RD  
**Facility Mail City:** LONG BEACH  
**Facility Mail State:** CA  
**Facility Mail Zip:** 908150000  
**Contact Phone(s):** 2135906610  
**File Year(s):** 1991  
**Contact Name(s):** GREWAL, GARY/ENG

**Tanner Information**

**Method Description:**

**Tons:** 0  
**Year:** 1991  
**Generator County Code:** 19  
**Generator County:** Los Angeles  
**Method Code:**  
**Tsd County Code:** 19  
**Tsd County:** Los Angeles  
**State Waste Code:**  
**State Waste Code Desc:**  
**Tsd Epa ID:** CAD067786749

**Tanner Information**

**Method Description:**

**Tons:** 12.64  
**Year:** 1991

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Generator County Code:</b>		19				
<b>Generator County:</b>		Los Angeles				
<b>Method Code:</b>		D80				
<b>Tsd County Code:</b>		19				
<b>Tsd County:</b>		Los Angeles				
<b>State Waste Code:</b>		151				
<b>State Waste Code Desc:</b>		Asbestos containing waste				
<b>Tsd Epa ID:</b>		CAD067786749				
<a href="#">125</a>	1 of 1	SW	0.15 / 769.42	16.43 / 2	<b>GANI VOHRA 6484 E SURREY DR LONG BEACH CA 90815</b>	HAZ GEN
<b>Epa ID:</b>		CAC002863888			<b>Facility County:</b>	19
<b>Address 2:</b>					<b>County:</b>	Los Angeles
<b>Details DTSC HWTS:</b>		The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>				
<b>Handler Profile URL:</b>		<a href="https://hwts.dtsc.ca.gov/facility/CAC002863888">https://hwts.dtsc.ca.gov/facility/CAC002863888</a>				
<a href="#">126</a>	1 of 1	SW	0.15 / 795.56	17.30 / 3	<b>DON FRIZZELL 6485 E SURREY DR LONG BEACH CA 908154744</b>	HAZ GEN
<b>Epa ID:</b>		CAC002769989			<b>Facility County:</b>	19
<b>Address 2:</b>					<b>County:</b>	Los Angeles
<b>Details DTSC HWTS:</b>		The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>				
<b>Handler Profile URL:</b>		<a href="https://hwts.dtsc.ca.gov/facility/CAC002769989">https://hwts.dtsc.ca.gov/facility/CAC002769989</a>				
<a href="#">127</a>	1 of 1	S	0.07 / 346.73	-2.38 / -17	<b>LOS ALAMITOS PRESSURE STATION HWY. 22 &amp; STUDEBAKER LONG BEACH CA 90802</b>	FINDS/FRS
<b>Registry ID:</b>		110065884902				
<b>FIPS Code:</b>						
<b>HUC Code:</b>		18070106				
<b>Site Type Name:</b>		STATIONARY				
<b>Location Description:</b>						
<b>Supplemental Location:</b>						
<b>Create Date:</b>		13-OCT-15				
<b>Update Date:</b>						
<b>Interest Types:</b>		STATE MASTER				
<b>SIC Codes:</b>		4922				
<b>SIC Code Descriptions:</b>		NATURAL GAS TRANSMISSION				
<b>NAICS Codes:</b>						
<b>NAICS Code Descriptions:</b>						
<b>Conveyor:</b>		CALEPA				
<b>Federal Facility Code:</b>						
<b>Federal Agency Name:</b>						
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b>		46				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Census Block Code:</b>		060379800071001				
<b>EPA Region Code:</b>		09				
<b>County Name:</b>		LOS ANGELES				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>		33.77389				
<b>Longitude:</b>		-118.09806				
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>		UNKNOWN				
<b>Accuracy Value:</b>						
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065884902				
<b>Program Acronyms:</b>						
CA-ENVIROVIEW:351686						

<a href="#">128</a>	1 of 1	SE	0.12 / 640.05	8.73 / -6	MARK SUDOCK 404 PURDUE CIR SEAL BEACH CA 907402516	HAZ GEN
<b>Epa ID:</b>	CAC002827750			<b>Facility County:</b>	30	
<b>Address 2:</b>				<b>County:</b>	Orange	
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search					
<b>Handler Profile URL:</b>	https://hwts.dtsc.ca.gov/facility/CAC002827750					

<a href="#">129</a>	1 of 2	SSW	0.11 / 581.13	13.18 / -1	EPTC ALAMITOS PARCEL 3-4 692 NORTH STUDEBAKER ROAD LONG BEACH CA 90803	VCP
<b>Estor/EPA ID:</b>	19130113			<b>Permit Renewal Lead:</b>		
<b>Site Code:</b>	401020			<b>Project Manager:</b>	CHAND SULTANA	
<b>Nat Priority List:</b>	NO			<b>Supervisor:</b>	ALLAN PLAZA	
<b>Acres:</b>	0.75 ACRES			<b>Public Partici Spclst:</b>		
<b>Special Program:</b>	VOLUNTARY AGREEMENT - STANDARD VOLUNTARY AGREEMENT			<b>Census Tract:</b>	6037980007	
<b>Funding:</b>	SITE PROPONENT			<b>County:</b>	LOS ANGELES	
<b>Assembly District:</b>	70			<b>Latitude:</b>	33.7740361111111	
<b>Senate District:</b>	34			<b>Longitude:</b>	-118.103033333333	
<b>School District:</b>						
<b>APN:</b>	NONE SPECIFIED					
<b>Cleanup Status:</b>	INACTIVE - ACTION REQUIRED AS OF 9/9/2020					
<b>Cleanup Oversight Agencies:</b>	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY					
<b>Site Type:</b>	VOLUNTARY AGREEMENT					
<b>Office:</b>	CLEANUP CHATSWORTH					
<b>Past Use that Caused Contam:</b>	MANUFACTURING - PETROLEUM					
<b>Potential Media Affected:</b>	OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL					
<b>Potential Contamin of Concern:</b>						
TPH-MOTOR OIL						
<b>Site History:</b>						

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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The Site is flat, vacant, with little vegetation in an industrial area of Long Beach, California. The Site is owned by Southern California Edison but was previously leased to Intra American Foundation & Drilling Company Inc. During their time onsite, approximately 75% of the property is used for storage of construction materials and equipment consisting of drill augers, hydraulic equipment, large diameter pipes, steel forms and 55-gallon drums. The Site was also used as an equipment maintenance and repair facility. The parcels surrounding the area have been oil fields since the 1950's. Review of past records indicates that the area where the Site is located was formerly a low-lying marsh area that was graded to its present condition. A Phase I Environmental Site Assessment was completed for the Site in July 2000 and a Phase II Environmental Site Assessment was conducted by Southern California Edison in April 2004. The report indicated that the site had been impacted from previous onsite operations however that it was compatible with the current land-use. DTSC approved the report in May 2005 and a Land Use Covenant was drafted and recorded with the County in 2006 prohibiting unrestricted land use. There are no annual inspection reports since then .

**Status:** INACTIVE - ACTION REQUIRED  
**Program Type:** VOLUNTARY CLEANUP  
**CalEnviroScreen Score:** NA  
**Summary Link:** [https://www.envirostor.dtsc.ca.gov/public/profile\\_report?global\\_id=19130113](https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19130113)

**Completed Activities**

**Title:** Document Review  
**Title Link:**  
**Area Name:**  
**Area Link:**  
**Sub Area:**  
**Sub Area Link:**  
**Document Type:** Other Report  
**Date Completed:** 9/23/2002  
**Comments:** DTSC completed document review and submitted comments to Coastal Conservancy

**Title:** Order  
**Title Link:**  
**Area Name:**  
**Area Link:**  
**Sub Area:**  
**Sub Area Link:**  
**Document Type:** Standard Voluntary Agreement  
**Date Completed:** 6/28/2002  
**Comments:** VCA

**Title:** Preliminary Endangerment Assessment Report  
**Title Link:**  
**Area Name:**  
**Area Link:**  
**Sub Area:**  
**Sub Area Link:**  
**Document Type:** Preliminary Endangerment Assessment Report  
**Date Completed:** 5/5/2005  
**Comments:** After several conference calls with the site proponent, DTSC approves the Phase II report. The report indicated that the site had been impacted from previous operations at the site however that those levels were compatible with the current industrial land-use.

<a href="#">129</a>	2 of 2	SSW	0.11 / 581.13	13.18 / -1	EPTC ALAMITOS PARCEL 3-4 692 NORTH STUDEBAKER ROAD LONG BEACH CA 90803	ENVIROSTOR
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Estor/EPA ID:</b>	19130113				<b>Assembly District:</b> 70	
<b>Site Code:</b>	401020				<b>Senate District:</b> 34	
<b>Nat Priority List:</b>	NO				<b>Permit Renewal Lead:</b>	
<b>APN:</b>	NONE SPECIFIED				<b>Public Partici Spclst:</b>	
<b>Census Tract:</b>	6037980007				<b>Project Manager:</b> CHAND SULTANA	
<b>Site Type:</b>	VOLUNTARY AGREEMENT				<b>County:</b> LOS ANGELES	
<b>Address Description:</b>	692 NORTH STUDEBAKER ROAD				<b>Latitude:</b> 33.7740361111111	
<b>Office:</b>	CLEANUP CHATSWORTH				<b>Longitude:</b> -118.103033333333	
<b>Special Program:</b>	VOLUNTARY AGREEMENT - STANDARD VOLUNTARY AGREEMENT				<b>Acres:</b> 0.75 ACRES	
<b>Funding:</b>	SITE PROPONENT				<b>Supervisor:</b> ALLAN PLAZA	
<b>Cleanup Status:</b>	INACTIVE - ACTION REQUIRED AS OF 9/9/2020					
<b>Cleanup Oversight Agencies:</b>	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY					
<b>School District:</b>						
<b>Past Use that Caused Contam:</b>	MANUFACTURING - PETROLEUM					
<b>Potential Media Affected:</b>	OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL					
<b>Site History:</b>						

The Site is flat, vacant, with little vegetation in an industrial area of Long Beach, California. The Site is owned by Southern California Edison but was previously leased to Intra American Foundation & Drilling Company Inc. During their time onsite, approximately 75% of the property is used for storage of construction materials and equipment consisting of drill augers, hydraulic equipment, large diameter pipes, steel forms and 55-gallon drums. The Site was also used as an equipment maintenance and repair facility. The parcels surrounding the area have been oil fields since the 1950's. Review of past records indicates that the area where the Site is located was formerly a low-lying marsh area that was graded to its present condition. A Phase I Environmental Site Assessment was completed for the Site in July 2000 and a Phase II Environmental Site Assessment was conducted by Southern California Edison in April 2004. The report indicated that the site had been impacted from previous onsite operations however that it was compatible with the current land-use. DTSC approved the report in May 2005 and a Land Use Covenant was drafted and recorded with the County in 2006 prohibiting unrestricted land use. There are no annual inspection reports since then .

**Potential Contamin of Concern:**

TPH-MOTOR OIL

**Status:** INACTIVE - ACTION REQUIRED  
**Program Type:** VOLUNTARY CLEANUP  
**CalEnviroScreen Score:** NA  
**Summary Link:** [https://www.envirostor.dtsc.ca.gov/public/profile\\_report?global\\_id=19130113](https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19130113)

**Completed Activities**

**Title:** Order  
**Title Link:**  
**Area Name:**  
**Area Link:**  
**Sub Area:**  
**Sub Area Link:**  
**Document Type:** Standard Voluntary Agreement  
**Date Completed:** 6/28/2002  
**Comments:** VCA

**Title:** Document Review  
**Title Link:**  
**Area Name:**  
**Area Link:**  
**Sub Area:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Sub Area Link:**

**Document Type:** Other Report  
**Date Completed:** 9/23/2002  
**Comments:** DTSC completed document review and submitted comments to Coastal Conservancy

**Title:** Preliminary Endangerment Assessment Report

**Title Link:**

**Area Name:**

**Area Link:**

**Sub Area:**

**Sub Area Link:**

**Document Type:** Preliminary Endangerment Assessment Report

**Date Completed:** 5/5/2005

**Comments:** After several conference calls with the site proponent, DTSC approves the Phase II report. The report indicated that the site had been impacted from previous operations at the site however that those levels were compatible with the current industrial land-use.

[130](#)

1 of 2

SW

0.16 /  
820.56

12.94 /  
-1

6463 BIXBY TERRACE DR  
LONG BEACH CA

ERNS

<b>NRC Report No:</b>	1035531	<b>Latitude Degrees:</b>	
<b>Type of Incident:</b>	FIXED	<b>Latitude Minutes:</b>	
<b>Incident Cause:</b>	EQUIPMENT FAILURE	<b>Latitude Seconds:</b>	
<b>Incident Date:</b>	1/12/2013 11:59:00 AM	<b>Longitude Degrees:</b>	
<b>Incident Location:</b>		<b>Longitude Minutes:</b>	
<b>Incident Dtg:</b>	DISCOVERED	<b>Longitude Seconds:</b>	
<b>Distance from City:</b>		<b>Lat Quad:</b>	
<b>Distance Units:</b>		<b>Long Quad:</b>	
<b>Direction from City:</b>		<b>Location Section:</b>	
<b>Location County:</b>	LOS ANGELES	<b>Location Township:</b>	
<b>Potential Flag:</b>	No	<b>Location Range:</b>	
<b>Year:</b>	Year 2013 Reports		
<b>Description of Incident:</b>	CALLER IS REPORTING A SPILL OF RAW SEWAGE FROM A PRIVATE PUMP STATION.		

**Material Spill Information**

<b>Chris Code:</b>	NCC	<b>Unit of Measure:</b>	UNKNOWN AMOUNT
<b>CAS No:</b>	000000-00-0	<b>If Reached Water:</b>	YES
<b>UN No:</b>		<b>Amount in Water:</b>	0
<b>Name of Material:</b>	RAW SEWAGE	<b>Unit Reach Water:</b>	UNKNOWN AMOUNT
<b>Amount of Material:</b>	0		

**Calls Information**

<b>Date Time Received:</b>	1/12/2013 4:27:43 PM	<b>Responsible City:</b>	LONG BEACH
<b>Date Time Complete:</b>	1/12/2013 4:34:17 PM	<b>Responsible State:</b>	CA
<b>Call Type:</b>	INC	<b>Responsible Zip:</b>	
<b>Resp Company:</b>	HOME OWNERS ASSOCIATION	<b>Source:</b>	TELEPHONE
<b>Resp Org Type:</b>	OTHER		

**Incident Information**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Tank ID:</b>					<b>Building ID:</b>	
<b>Tank Regulated:</b>	U				<b>Location Area ID:</b>	
<b>Tank Regulated By:</b>					<b>Location Block ID:</b>	
<b>Capacity of Tank:</b>					<b>OCSG No:</b>	
<b>Capacity Tank Units:</b>					<b>OCSP No:</b>	
<b>Description of Tank:</b>					<b>State Lease No:</b>	
<b>Actual Amount:</b>					<b>Pier Dock No:</b>	
<b>Actual Amount Units:</b>					<b>Berth Slip No:</b>	
<b>Tank Above Ground:</b>	ABOVE				<b>Brake Failure:</b>	U
<b>NPDES:</b>					<b>Airbag Deployed:</b>	U
<b>NPDES Compliance:</b>	U				<b>Transport Contain:</b>	U
<b>Init Contin Rel No:</b>					<b>Location Subdiv:</b>	
<b>Contin Rel Permit:</b>					<b>Platform Rig Name:</b>	
<b>Contin Release Type:</b>					<b>Platform Letter:</b>	
<b>Aircraft ID:</b>					<b>Allision:</b>	U
<b>Aircraft Runway No:</b>					<b>Type of Structure:</b>	
<b>Aircraft Spot No:</b>					<b>Structure Name:</b>	
<b>Aircraft Type:</b>					<b>Structure Oper:</b>	U
<b>Aircraft Model:</b>					<b>Transit Bus Flag:</b>	
<b>Aircraft Fuel Cap:</b>					<b>Date Time Norm Serv:</b>	
<b>Aircraft Fuel Cap U:</b>					<b>Serv Disrupt Time:</b>	
<b>Aircraft Fuel on Brd:</b>					<b>Serv Disrupt Units:</b>	
<b>Aircraft Fuel OB U:</b>					<b>CR Begin Date:</b>	
<b>Aircraft Hanger:</b>					<b>CR End Date:</b>	
<b>Road Mile Marker:</b>					<b>CR Change Date:</b>	
<b>Power Gen Facility:</b>	N				<b>FBI Contact:</b>	
<b>Generating Capacity:</b>					<b>FBI Contact Dt Tm:</b>	
<b>Type of Fixed Obj:</b>	OTHER				<b>Passenger Handling:</b>	
<b>Type of Fuel:</b>					<b>Passenger Route:</b>	XXX
<b>DOT Crossing No:</b>					<b>Passenger Delay:</b>	XXX
<b>DOT Regulated:</b>	U				<b>Sub Part C Test Req:</b>	XXX
<b>Pipeline Type:</b>					<b>Conductor Test:</b>	
<b>Pipeline Abv Ground:</b>	ABOVE				<b>Engineer Test:</b>	
<b>Pipeline Covered:</b>	U				<b>Trainman Test:</b>	
<b>Exposed Underwater:</b>	N				<b>Yard Foreman Test:</b>	
<b>Railroad Hotline:</b>					<b>RCL Operator Test:</b>	
<b>Railroad Milepost:</b>					<b>Brakeman Test:</b>	
<b>Grade Crossing:</b>	U				<b>Train Dispat Test:</b>	
<b>Crossing Device Ty:</b>					<b>Signalman Test:</b>	
<b>Ty Vehicle Involved:</b>					<b>Oth Employee Test:</b>	
<b>Device Operational:</b>	U				<b>Unknown Test:</b>	

**Incident Details Information**

<b>Release Secured:</b>	Y	<b>State Agen Report No:</b>	
<b>Release Rate:</b>		<b>State Agen on Scene:</b>	WATER DEPT
<b>Release Rate Unit:</b>		<b>State Agen Notified:</b>	WATER DEPT
<b>Release Rate Rate:</b>		<b>Fed Agency Notified:</b>	
<b>Est Duration of Rel:</b>		<b>Oth Agency Notified:</b>	
<b>Desc Remedial Act:</b>	MATERIAL CONTAINED.	<b>Body of Water:</b>	STORM DRAIN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Fire Involved:</b>	N				<b>Tributary of:</b> PACIFIC OCEAN	
<b>Fire Extinguished:</b>	U				<b>Near River Mile Make:</b>	
<b>Any Evacuations:</b>	N				<b>Near River Mile Mark:</b>	
<b>No Evacuated:</b>					<b>Offshore:</b> N	
<b>Who Evacuated:</b>					<b>Weather Conditions:</b> SUNNY	
<b>Radius of Evacu:</b>					<b>Air Temperature:</b>	
<b>Any Injuries:</b>	N				<b>Wind Direction:</b>	
<b>No. Injured:</b>					<b>Wind Speed:</b>	
<b>No. Hospitalized:</b>					<b>Wind Speed Unit:</b>	
<b>No. Fatalities:</b>					<b>Water Supp Contam:</b> U	
<b>Any Fatalities:</b>	N				<b>Water Temperature:</b>	
<b>Any Damages:</b>	N				<b>Wave Condition:</b>	
<b>Damage Amount:</b>					<b>Current Speed:</b>	
<b>Air Corridor Closed:</b>	N				<b>Current Direction:</b>	
<b>Air Corridor Desc:</b>					<b>Current Speed Unit:</b>	
<b>Air Closure Time:</b>					<b>EMPL Fatality:</b>	
<b>Waterway Closed:</b>	N				<b>Pass Fatality:</b>	
<b>Waterway Desc:</b>					<b>Community Impact:</b>	
<b>Waterway Close Time:</b>					<b>Passengers Transfer:</b> NO	
<b>Road Closed:</b>	N				<b>Passenger Injuries:</b>	
<b>Road Desc:</b>					<b>Employee Injuries:</b>	
<b>Road Closure Time:</b>					<b>Occupant Fatality:</b>	
<b>Road Closure Units:</b>					<b>Sheen Size:</b>	
<b>Closure Direction:</b>					<b>Sheen Size Units:</b>	
<b>Major Artery:</b>	No				<b>Sheen Size Length:</b>	
<b>Track Closed:</b>	N				<b>Sheen Size Length U:</b>	
<b>Track Desc:</b>					<b>Sheen Size Width:</b>	
<b>Track Closure Time:</b>					<b>Sheen Size Width U:</b>	
<b>Track Closure Units:</b>					<b>Sheen Color:</b>	
<b>Track Close Dir:</b>					<b>Dir of Sheen Travel:</b>	
<b>Media Interest:</b>	NONE				<b>Sheen Odor Desc:</b>	
<b>Medium Desc:</b>	WATER				<b>Duration Unit:</b>	
<b>Addl Medium Info:</b>	STORM DRAIN				<b>Additional Info:</b>	

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2 of 2

SW

0.16 /  
820.5612.94 /  
-1NRC  
6463 Bixby Terrace Dr.  
Long Beach CA

CHMIRS

**Control No:** 13-0258**Notified Date:****County:** Los Angeles County**Notified Date Time:****Year:** 2013**URL:** <https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/47903b767f54313988257af1007748b3?OpenDocument>**California Hazardous Material Incident Report System (as of 2006 to 2015)****Contained:** Yes**3 Ves >= 300 Tons:** No**1 Substance:** Raw Sewage**Incident Date:** 1/12/2013**1 Measure:** Unknown**Incident Time:** 1159**1 Other:****Spill Site:** Waterways**1 Quantity:** UNK**Injuries?:** No**1 Type:** SEWAGE**No of Injuries:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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1 Pipeline:	No				Fatals?:	No
1 Vessel >= 300 Tons:	No				No of Fatals:	
2 Substance:					Evacs?:	No
2 Quantity:					No of Evacs:	
2 Measure:					Cleanup:	Unknown
2 Type:					Site:	storm drain
2 Other:					Cause:	Unknown
2 Pipeline:	No				Cause Other:	
2 Vessel >= 300 Tons:	No				Dog No:	
3 Substance:					Water:	Yes
3 Quantity:					Water Way:	storm drain
3 Measure:					City:	Long Beach
3 Type:					County:	Los Angeles County
3 Other:					ZIP:	
3 Pipeline:	No					
Admin Agency:		Long Beach Fire Department				
Notification Area:		AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,CDPH-D.O.,LANDS,PARKS & REC,USCG,Co/WP, Co/Hlth,Co/E-Hlth				
Location:		6463 Bixby Terrace Dr.				
Description:		Caller is reporting a spill of raw sewage from a private pump station.				

**Spill Report View**

Amount 1:		Creation Date:	01/12/2013 01:42 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Water:		Admin Agency 2:	
On Scene:		Additional County:	
Other on Scene:		Phone No:	
Other Notified:		Ext:	
Document Title:	SPILL Report	Pag Cell:	
Spill Site:	Waterways		
Type:	SEWAGE		
Cause Desc for Other:			
Person Notifying Cal OES:			

**Hazardous Materials Spill Report**

Date :	01/12/2013	Water Involved:	Yes
Time:	1342	Drink Wtr Impact:	No
Incident Date:	01/12/2013	Detail for Other:	
Incident Time:	1159	UPRR Rim No:	
Control Cal OES:	13-0258	DOG Unit:	
Control NRC:		RWQCB Unit:	4
Contained:	Yes		
Waterway:	storm drain		
Received By:			
Cleanup By:	Unknown		
Incident Location:	6463 Bixby Terrace Dr.		
Additional County:			
1 Substance:	Raw Sewage		

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>1 Qty:</b>		=				
<b>1 Amount :</b>		UNK				
<b>1 Measure:</b>		Unknown				
<b>1 Type:</b>		SEWAGE				
<b>1 Other:</b>						
<b>1 Pipeline:</b>		No				
<b>1 Ves &gt;= 300 Tons:</b>		No				
<b>2 Substance:</b>						
<b>2 Qty:</b>		=				
<b>2 Amount:</b>						
<b>2 Measure:</b>						
<b>2 Type:</b>						
<b>2 Other:</b>						
<b>2 Pipeline:</b>		No				
<b>2 Ves &gt;= 300 Tns:</b>		No				
<b>3 Substance:</b>						
<b>3 Qty:</b>		=				
<b>3 Amount:</b>						
<b>3 Measure:</b>						
<b>3 Type:</b>						
<b>3 Other:</b>						
<b>3 Pipeline:</b>		No				
<b>3 Ves &gt;= 300 Tons:</b>		No				
<b>Injuries:</b>		No				
<b>Fatality:</b>		No				
<b>Evacuation:</b>		No				
<b>Known Impact:</b>		Unknown				
<b>Name:</b>						
<b>Agency:</b>		NRC				
<b>Phone:</b>						
<b>Ext:</b>						
<b>Pag Cell:</b>						
<b>PRS Name:</b>						
<b>PRS Agency:</b>		Long Beach Fire Dept.				
<b>PRS Phone:</b>						
<b>PRS Ext:</b>						
<b>PRS Pag Cell:</b>						
<b>Sec Agency:</b>		LACoFD Health Haz-Mat				
<b>Admin Agency:</b>		Long Beach Fire Department				
<b>Admin Agency 2:</b>						
<b>Notification Info:</b>						
<b>Notification List:</b>						
<b>On Scene:</b>		Other				
<b>Other on Scene:</b>		Water Dept.				
<b>Other Notified:</b>		Water Dept.				
<b>Header Unknown:</b>		SOUTH COAST AQMD				
<b>Incident Desc:</b>						
<b>Site:</b>		Waterways				
<b>Reported Cause:</b>		Unknown				
<b>R R Crssing &lt; 50 Ft:</b>						
<b>Description:</b>		Caller is reporting a spill of raw sewage from a private pump station.				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Spill Report View**

<b>Amount 1:</b>		<b>Creation Date:</b>	01/12/2013 02:45 PM
<b>Amount 2:</b>		<b>Received By:</b>	
<b>Amount 3:</b>		<b>Admin Agency:</b>	
<b>Water:</b>		<b>Admin Agency 2:</b>	
<b>On Scene:</b>		<b>Additional County:</b>	
<b>Other on Scene:</b>		<b>Phone No:</b>	
<b>Other Notified:</b>		<b>Ext:</b>	
<b>Document Title:</b>	Cal OES-Update	<b>Pag Cell:</b>	
<b>Spill Site:</b>			
<b>Type:</b>	SEWAGE		
<b>Cause Desc for Other:</b>			
<b>Person Notifying Cal OES:</b>			

**OES Hazardous Materials Spill Update**

<b>Occurrence Date:</b>	01/12/2013	<b>2 Substance:</b>	
<b>Occurrence Time:</b>	1159	<b>2 Qty Amount:</b>	
<b>Notify Date:</b>	01/12/2013	<b>2 Measure:</b>	
<b>Notify Time:</b>	1342	<b>2 Type:</b>	
<b>NRC:</b>	1035531	<b>2 Other:</b>	
<b>DOG Unit:</b>		<b>2 Pipeline:</b>	No
<b>RWQCB Unit:</b>	4	<b>2 Ves &gt;= 300 Tons:</b>	No
<b>RWQCB Unit 2:</b>		<b>3 Substance:</b>	
<b>Unknown Header:</b>	SOUTH COAST AQMD	<b>3 Qty Amount:</b>	
<b>1 Substance:</b>	Raw Sewage	<b>3 Measure:</b>	
<b>1 Qty Amount:</b>	UNK	<b>3 Type:</b>	
<b>1 Measure:</b>	Unknown	<b>3 Other:</b>	
<b>1 Type:</b>	SEWAGE	<b>3 Pipeline:</b>	No
<b>1 Other:</b>		<b>3 Ves &gt;= 300 Tons:</b>	No
<b>1 Pipeline:</b>	No	<b>OP Area:</b>	Los Angeles County
<b>1 Ves &gt;= 300 Tons:</b>	No		
<b>Pers Reporting Spill Agency:</b>	Long Beach Fire Dept.		
<b>Pers Notifying Upd Nme:</b>			
<b>Pers Notifying Upd Place:</b>			
<b>Pers Notifying CA OES Agency:</b>	NRC		
<b>Phone No:</b>			
<b>Ext:</b>			
<b>Pag Cell:</b>			
<b>Fax Notifi List:</b>	AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, CDPH-D.O., LANDS, PARKS & REC, USCG, Co/WP, Co/Hlth, Co/E-Hlth		
<b>Fax Notification List 2:</b>			
<b>Other Notified:</b>	Water Dept.		
<b>Confirmation Request:</b>			
<b>Administering Agency:</b>	Long Beach Fire Department		
<b>Administering Agency 2:</b>			
<b>Secondary Agency:</b>	LACoFD Health Haz-Mat		
<b>Secondary Agency 2:</b>			
<b>Additional Admin Agency:</b>			
<b>Additional Admin Agency 2:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Additional Counties:**

**Additional Counties 2:**

**Doc URL:** <https://w3.calema.ca.gov/operational/malhaz.nsf/f1841a103c102734882563e200760c4a/a758704baa56f8a588257af1007cf98a?OpenDocument>

**Update Known Impact:**

**Update Cause:**

**Update Description:**

01/12/2013 02:45:03 PM - NRC report #1035531 received.

**Situation Update:**

NRC report #1035531 received.

**Original Description:**

Caller is reporting a spill of raw sewage from a private pump station.

**OES Hazardous Materials Update Quantities**

**Amount:**

**Measure:** Unknown

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**NNW**

**0.19 /  
989.63**

**11.29 /  
-3**

**GABRIEL COHEN  
1735 VUELTA GRANDE AVE  
LONG BEACH CA 90815**

**RCRA  
NON GEN**

**EPA Handler ID:**

CAC003074639

**Gen Status Universe:**

No Report

**Contact Name:**

GABRIEL COHEN

**Contact Address:**

1735 VUELTA GRANDE AVE , , LONG BEACH , CA, 90815 ,

**Contact Phone No and Ext:**

424-634-2449

**Contact Email:**

GENEVADEGUIRE@ALLIANCE-ENVIRO.COM

**Contact Country:**

**County Name:**

LOS ANGELES

**EPA Region:**

09

**Land Type:**

**Receive Date:**

20200714

**Location Latitude:**

**Location Longitude:**

**Violation/Evaluation Summary**

**Note:**

NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:**

No

**Mixed Waste Generator:**

No

**Transporter Activity:**

No

**Transfer Facility:**

No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Onsite Burner Exemption:		No				
Furnace Exemption:		No				
Underground Injection Activity:		No				
Commercial TSD:		No				
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20200714  
**Handler Name:** GABRIEL COHEN  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	1735 VUELTA GRANDE AVE
<b>Name:</b>	GABRIEL COHEN	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	424-634-2449	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	1735 VUELTA GRANDE AVE
<b>Name:</b>	GABRIEL COHEN	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	424-634-2449	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

[132](#)

1 of 2

SW

0.14 /  
753.40

17.94 /  
4

VETERANS HEALTH CARE  
SYSTEM LONG BEACH  
6901 EAST 7TH STREET  
LONG BEACH CA 90815

FINDS/FRS

**Registry ID:** 110042340375  
**FIPS Code:**  
**HUC Code:** 18070106  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 23-NOV-10

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Update Date:</b>		03-MAY-15				
<b>Interest Types:</b>		ENFORCEMENT/COMPLIANCE ACTIVITY				
<b>SIC Codes:</b>						
<b>SIC Code Descriptions:</b>						
<b>NAICS Codes:</b>						
<b>NAICS Code Descriptions:</b>						
<b>Conveyor:</b>		ICIS				
<b>Federal Facility Code:</b>						
<b>Federal Agency Name:</b>						
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b>		46				
<b>Census Block Code:</b>		060375746021000				
<b>EPA Region Code:</b>		09				
<b>County Name:</b>		LOS ANGELES				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>		33.7744				
<b>Longitude:</b>		-118.1037				
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>						
<b>Accuracy Value:</b>						
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110042340375">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110042340375</a>				
<b>Program Acronyms:</b>						
ICIS:2200002099						

<a href="#">132</a>	2 of 2	SW	0.14 / 753.40	17.94 / 4	VETERANS HEALTH CARE SYSTEM LONG BEACH 6901 EAST 7TH STREET LONG BEACH CA 90815	ICIS
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<b>EPA Region:</b>		<b>Federal Fac ID:</b>			
<b>Registry ID:</b>	110042340375	<b>Tribal Land Code:</b>			
<b>Pgm Sys ID:</b>	2200002099	<b>County:</b>	LOS ANGELES		
<b>Pgm Sys Acnm:</b>	ICIS	<b>Latitude 83:</b>	33.7744		
<b>Permit Type:</b>		<b>Longitude 83:</b>	-118.1037		

**Details**

<b>Interest Type:</b>	ENFORCEMENT/COMPLIANCE ACTIVITY	<b>Public Ind:</b>	Y
<b>Active Status:</b>		<b>FIPS Code:</b>	
<b>Accuracy Value:</b>		<b>HUC 8 Code:</b>	18070106
<b>Pgm Report URL:</b>	no data yet	<b>HUC 12:</b>	
<b>Federal Agency Name:</b>			
<b>Federal Land Ind:</b>			
<b>Fed Facility Code:</b>			
<b>Ref Point Desc:</b>			
<b>Collect Mth Desc:</b>			
<b>Fac URL:</b>	<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110042340375">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110042340375</a>		



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** ORANGE  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** https://ofmpub.epa.gov/frs\_public2/fii\_query\_detail.disp\_program\_facility?p\_registry\_id=110070462591  
**Program Acronyms:**  
 RCRAINFO:CAC002971370

<a href="#">135</a>	1 of 3	SSW	0.15 / 796.77	13.93 / 0	AT&T Mobility - (USID207498) 698 N STUDEBAKER RD LONG BEACH CA 90803	CERS HAZ
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**Site ID:** 551058  
**Latitude:** 33.772896  
**Longitude:** -118.102036  
**County:**

**Regulated Programs**

**EI ID:** 10814899      **EI Description:** Chemical Storage Facilities

**Affiliations**

**Affil Type Desc:** Facility Mailing Address  
**Entity Name:** Mailing Address  
**Entity Title:**  
**Address:** 308 S. Akard St., 17th Floor  
**City:** Dallas  
**State:** TX  
**Country:**  
**Zip Code:** 75202  
**Phone:**

**Affil Type Desc:** Legal Owner  
**Entity Name:** New Cingular Wireless PCS, LLC dba AT&T Mobility  
**Entity Title:**  
**Address:** 308 S. Akard St., 17th Floor  
**City:** Dallas  
**State:** TX  
**Country:** United States

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Zip Code:</b>		75202				
<b>Phone:</b>		(214) 464-1712				
<b>Affil Type Desc:</b>		Operator				
<b>Entity Name:</b>		AT&T Mobility				
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>		(800) 566-9347				
<b>Affil Type Desc:</b>		Parent Corporation				
<b>Entity Name:</b>		AT&T Mobility				
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>		Document Preparer				
<b>Entity Name:</b>		Peter Burnell, Sigma Consultants, Inc.				
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>		Identification Signer				
<b>Entity Name:</b>		Jeremy McGrue				
<b>Entity Title:</b>		National EPCRA Manager				
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>		CUPA District				
<b>Entity Name:</b>		Long Beach Environmental Health				
<b>Entity Title:</b>						
<b>Address:</b>		2525 Grand Avenue				
<b>City:</b>		Long Beach				
<b>State:</b>		CA				
<b>Country:</b>						
<b>Zip Code:</b>		90815				
<b>Phone:</b>		(562) 570-4131				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Affil Type Desc:** Environmental Contact  
**Entity Name:** AT&T EH&S Hotline - Option #1  
**Entity Title:**  
**Address:** 308 S. Akard St., 17th Floor  
**City:** Dallas  
**State:** TX  
**Country:**  
**Zip Code:** 75202  
**Phone:**

**Coordinates**

**Env Int Type Code:** HMBP **Longitude:** -118.100850  
**Program ID:** 10814899 **Coord Name:**  
**Latitude:** 33.773480 **Ref Point Type Desc:** Center of a facility or station.

<a href="#">135</a>	2 of 3	SSW	0.15 / 796.77	13.93 / 0	NEW CINGULAR WIRELESS PCS LLC 698 STUDEBAKER RD LONG BEACH CA 90803	RCRA NON GEN
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**EPA Handler ID:** CAL000454395  
**Gen Status Universe:** No Report  
**Contact Name:** EH&S WASTE TEAM  
**Contact Address:** 308 S AKARD ST 17TH FL , , DALLAS , TX, 75202 ,  
**Contact Phone No and Ext:** 800-566-9347  
**Contact Email:** AW3731@ATT.COM  
**Contact Country:**  
**County Name:** LOS ANGELES  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20200430  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20200430  
**Handler Name:** NEW CINGULAR WIRELESS PCS LLC  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 308 S AKARD ST 17TH FL
<b>Name:</b> EH&S WASTE TEAM	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> DALLAS
<b>Date Ended Current:</b>	<b>State:</b> TX
<b>Phone:</b> 800-566-9347	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 75202

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 308 S AKARD ST 17TH FL
<b>Name:</b> NEW CINGULAR WIRELESS PCS LLC	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> DALLAS
<b>Date Ended Current:</b>	<b>State:</b> TX
<b>Phone:</b> 800-566-9347	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 75202

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<a href="#">135</a>	3 of 3	SSW	0.15 / 796.77	13.93 / 0	NEW CINGULAR WIRELESS PCS LLC 698 STUDEBAKER RD LONG BEACH CA 90803	<a href="#">FINDS/FRS</a>
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**Registry ID:** 110070797235  
**FIPS Code:** 06037  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 10-JUN-20  
**Update Date:**  
**Interest Types:** UNSPECIFIED UNIVERSE  
**SIC Codes:**  
**SIC Code Descriptions:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
NAICS Codes:		517911				
NAICS Code Descriptions:						
Conveyor:						
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:						
Census Block Code:						
EPA Region Code:		09				
County Name:		LOS ANGELES				
US/Mexico Border Ind:						
Latitude:						
Longitude:						
Reference Point:						
Coord Collection Method:						
Accuracy Value:						
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070797235">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070797235</a>				
Program Acronyms:						
RCRAINFO:CAL000454395						

<a href="#">136</a>	1 of 1	SW	0.23 / 1,230.37	22.44 / 8	Long Beach Fire 6450 Bixby Terrace Drive Long Beach CA	CHMIRS
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Control No:	09-5247	Notified Date:	
County:	Los Angeles County	Notified Date Time:	
Year:	2009		
URL:	<a href="https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/26f9191b0bf683d58825760000271650?OpenDocument">https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/26f9191b0bf683d58825760000271650?OpenDocument</a>		

**California Hazardous Material Incident Report System (as of 2006 to 2015)**

Contained:	No	3 Ves >= 300 Tons:	
1 Substance:	Sewage	Incident Date:	7/26/2009
1 Measure:	Gal(s)	Incident Time:	2328
1 Other:		Spill Site:	Residence
1 Quantity:	500	Injuries?:	
1 Type:	SEWAGE	No of Injuries:	0
1 Pipeline:		Fatals?:	
1 Vessel >= 300 Tons:		No of Fatals:	0
2 Substance:		Evacs?:	
2 Quantity:		No of Evacs:	0
2 Measure:		Cleanup:	Fire Dept.
2 Type:		Site:	Storm Drain
2 Other:		Cause:	Unknown
2 Pipeline:		Cause Other:	
2 Vessel >= 300 Tons:		Dog No:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>3 Substance:</b>				<b>Water:</b>	Yes	
<b>3 Quantity:</b>				<b>Water Way:</b>	Storm Drain	
<b>3 Measure:</b>				<b>City:</b>	Long Beach	
<b>3 Type:</b>				<b>County:</b>	Los Angeles County	
<b>3 Other:</b>				<b>ZIP:</b>		
<b>3 Pipeline:</b>						
<b>Admin Agency:</b>	Long Beach Fire Department					
<b>Notification Area:</b>	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,COASTAL COM,LANDS,PARKS & REC,USCG					
<b>Location:</b>	6450 Bixby Terrace Drive					
<b>Description:</b>	Caller states that sewage is flowing out of a housing complex from an unknown. Fire Dept is trying to block off the storm drain.					

**Spill Report View**

<b>Amount 1:</b>		<b>Creation Date:</b>	07/27/2009 12:06 AM
<b>Amount 2:</b>		<b>Received By:</b>	
<b>Amount 3:</b>		<b>Admin Agency:</b>	
<b>Water:</b>		<b>Admin Agency 2:</b>	
<b>On Scene:</b>		<b>Additional County:</b>	
<b>Other on Scene:</b>		<b>Phone No:</b>	
<b>Other Notified:</b>		<b>Ext:</b>	
<b>Document Title:</b>	SPILL Report	<b>Pag Cell:</b>	
<b>Spill Site:</b>	Residence		
<b>Type:</b>	SEWAGE		
<b>Cause Desc for Other:</b>			
<b>Person Notifying Cal OES:</b>			

**Hazardous Materials Spill Report**

<b>Date :</b>	07/27/2009	<b>Water Involved:</b>	Yes
<b>Time:</b>	006	<b>Drink Wtr Impact:</b>	No
<b>Incident Date:</b>	07/26/2009	<b>Detail for Other:</b>	
<b>Incident Time:</b>	2328	<b>UPRR Rim No:</b>	
<b>Control Cal OES:</b>	09-5247	<b>DOG Unit:</b>	
<b>Control NRC:</b>	912826	<b>RWQCB Unit:</b>	4
<b>Contained:</b>	No		
<b>Waterway:</b>	Storm Drain		
<b>Received By:</b>			
<b>Cleanup By:</b>	Fire Dept.		
<b>Incident Location:</b>	6450 Bixby Terrace Drive		
<b>Additional County:</b>			
<b>1 Substance:</b>	Sewage		
<b>1 Qty:</b>	=		
<b>1 Amount :</b>	500		
<b>1 Measure:</b>	Gal(s)		
<b>1 Type:</b>	SEWAGE		
<b>1 Other:</b>			
<b>1 Pipeline:</b>	No		
<b>1 Ves &gt;= 300 Tons:</b>	No		
<b>2 Substance:</b>			
<b>2 Qty:</b>	=		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>2 Amount:</b>						
<b>2 Measure:</b>						
<b>2 Type:</b>						
<b>2 Other:</b>						
<b>2 Pipeline:</b>		No				
<b>2 Ves &gt;= 300 Tns:</b>		No				
<b>3 Substance:</b>						
<b>3 Qty:</b>		=				
<b>3 Amount:</b>						
<b>3 Measure:</b>						
<b>3 Type:</b>						
<b>3 Other:</b>						
<b>3 Pipeline:</b>		No				
<b>3 Ves &gt;= 300 Tons:</b>		No				
<b>Injuries:</b>						
<b>Fatality:</b>						
<b>Evacuation:</b>						
<b>Known Impact:</b>		None				
<b>Name:</b>						
<b>Agency:</b>		Long Beach Fire				
<b>Phone:</b>						
<b>Ext:</b>						
<b>Pag Cell:</b>						
<b>PRS Name:</b>						
<b>PRS Agency:</b>						
<b>PRS Phone:</b>						
<b>PRS Ext:</b>						
<b>PRS Pag Cell:</b>						
<b>Sec Agency:</b>		LACoFD Health Haz-Mat				
<b>Admin Agency:</b>		Long Beach Fire Department				
<b>Admin Agency 2:</b>						
<b>Notification Info:</b>						
<b>Notification List:</b>						
<b>On Scene:</b>		Fire Dept.				
<b>Other on Scene:</b>						
<b>Other Notified:</b>						
<b>Header Unknown:</b>		SOUTH COAST AQMD				
<b>Incident Desc:</b>						
<b>Site:</b>		Residence				
<b>Reported Cause:</b>		Unknown				
<b>R R Crssing &lt; 50 Ft:</b>						
<b>Description:</b>		Caller states that sewage is flowing out of a housing complex from an unknown. Fire Dept is trying to block off the storm drain.				

[137](#) 1 of 1 **NNE** 0.25 / 1,297.41 16.55 / 2 **KEN STUTZMAN** 1830 STEVELY AVE LONG BEACH CA 90815 **HAZNET**

<b>SIC Code:</b>		<b>Mailing City:</b>	LONG BEACH
<b>NAICS Code:</b>		<b>Mailing State:</b>	CA
<b>EPA ID:</b>	CAC002615756	<b>Mailing Zip:</b>	90815
<b>Create Date:</b>	4/20/2007	<b>Region Code:</b>	3

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Fac Act Ind:</b>	No				<b>Owner Name:</b>	KEN STUTZMAN
<b>Inact Date:</b>	10/18/2007				<b>Owner Addr 1:</b>	1830 STEVELY AVE
<b>County Code:</b>	19				<b>Owner Addr 2:</b>	
<b>County Name:</b>	Los Angeles				<b>Owner City:</b>	LONG BEACH
<b>Mail Name:</b>					<b>Owner State:</b>	CA
<b>Mailing Addr 1:</b>	1830 STEVELY AVE				<b>Owner Zip:</b>	90815
<b>Mailing Addr 2:</b>					<b>Owner Phone:</b>	000000000
<b>Owner Fax:</b>						
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>DTSC Handler Profile url:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002615756">https://hwts.dtsc.ca.gov/facility/CAC002615756</a>					

<a href="#">138</a>	1 of 1	<b>NNW</b>	<b>0.16 / 860.62</b>	<b>12.54 / -2</b>	<b>TRACE EDWARDS 1833 NIPOMO AVE LONG BEACH CA 90815</b>	<b>RCRA NON GEN</b>
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<b>EPA Handler ID:</b>	CAC003069451
<b>Gen Status Universe:</b>	No Report
<b>Contact Name:</b>	TRACE EDWARDS
<b>Contact Address:</b>	1833 NIPOMO AVE , , LONG BEACH , CA, 90815 ,
<b>Contact Phone No and Ext:</b>	714-856-0441
<b>Contact Email:</b>	ANAB@PWSEI.COM
<b>Contact Country:</b>	
<b>County Name:</b>	LOS ANGELES
<b>EPA Region:</b>	09
<b>Land Type:</b>	
<b>Receive Date:</b>	20200604
<b>Location Latitude:</b>	
<b>Location Longitude:</b>	

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

<b>Importer Activity:</b>	No
<b>Mixed Waste Generator:</b>	No
<b>Transporter Activity:</b>	No
<b>Transfer Facility:</b>	No
<b>Onsite Burner Exemption:</b>	No
<b>Furnace Exemption:</b>	No
<b>Underground Injection Activity:</b>	No
<b>Commercial TSD:</b>	No
<b>Used Oil Transporter:</b>	No
<b>Used Oil Transfer Facility:</b>	No
<b>Used Oil Processor:</b>	No
<b>Used Oil Refiner:</b>	No
<b>Used Oil Burner:</b>	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Used Oil Market Burner: No  
 Used Oil Spec Marketer: No

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 20200604  
 Handler Name: TRACE EDWARDS  
 Source Type: Implementer  
 Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	1833 NIPOMO AVE
<b>Name:</b>	TRACE EDWARDS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	714-856-0441	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	1833 NIPOMO AVE
<b>Name:</b>	TRACE EDWARDS	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	LONG BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	714-856-0441	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90815

<a href="#">139</a>	1 of 3	SE	0.16 / 868.38	9.33 / -5	ALBERT COMIA 13020 OAK HILLS DR UNIT 225-F SEAL BEACH CA 90740-3288	RCRA NON GEN
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EPA Handler ID: CAC003030141  
 Gen Status Universe: No Report  
 Contact Name: ALBERT COMIA  
 Contact Address: 13020 OAK HILLS DR , UNIT 225-F , SEAL BEACH , CA, 90740-3288 ,  
 Contact Phone No and Ext: 562-715-3821  
 Contact Email: CRISTAL.TEECOR@YAHOO.COM  
 Contact Country:  
 County Name: ORANGE  
 EPA Region: 09  
 Land Type:  
 Receive Date: 20190820  
 Location Latitude:  
 Location Longitude:

**Violation/Evaluation Summary**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20190820  
**Handler Name:** ALBERT COMIA  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 13020 OAK HILLS DR
<b>Name:</b> ALBERT COMIA	<b>Street 2:</b> UNIT 225-F
<b>Date Became Current:</b>	<b>City:</b> SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-715-3821	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90740-3288

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 13020 OAK HILLS DR
<b>Name:</b> ALBERT COMIA	<b>Street 2:</b> UNIT 225-F
<b>Date Became Current:</b>	<b>City:</b> SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 562-715-3821	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90740-3288

<a href="#">139</a>	2 of 3	SE	0.16 / 868.38	9.33 / -5	ALBERT COMIA 13020 OAK HILLS DR	FINDS/FRS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>SEAL BEACH CA 90740-3288</b>						
<b>Registry ID:</b>		110070655260				
<b>FIPS Code:</b>		06059				
<b>HUC Code:</b>						
<b>Site Type Name:</b>		STATIONARY				
<b>Location Description:</b>						
<b>Supplemental Location:</b>		UNIT 225-F				
<b>Create Date:</b>		26-NOV-19				
<b>Update Date:</b>						
<b>Interest Types:</b>		UNSPECIFIED UNIVERSE				
<b>SIC Codes:</b>						
<b>SIC Code Descriptions:</b>						
<b>NAICS Codes:</b>						
<b>NAICS Code Descriptions:</b>						
<b>Conveyor:</b>						
<b>Federal Facility Code:</b>						
<b>Federal Agency Name:</b>						
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b>						
<b>Census Block Code:</b>						
<b>EPA Region Code:</b>		09				
<b>County Name:</b>		ORANGE				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>						
<b>Longitude:</b>						
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>						
<b>Accuracy Value:</b>						
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070655260				
<b>Program Acronyms:</b>						
RCRAINFO:CAC003030141						

[139](#)

3 of 3

SE

0.16 /  
868.38

9.33 /  
-5

NEIL ARONOW  
13020 OAK HILLS DR UNIT 225G  
SEAL BEACH CA 90740

RCRA  
NON GEN

**EPA Handler ID:** CAC003139068  
**Gen Status Universe:** No Report  
**Contact Name:** NEIL ARONOW  
**Contact Address:** 13020 OAK HILLS DR , UNIT 225G , SEAL BEACH , CA, 90740 ,  
**Contact Phone No and Ext:** 213-675-3554  
**Contact Email:** MANIFEST.SIRRIIS@GMAIL.COM  
**Contact Country:**  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Receive Date:** 20210915  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20210915  
**Handler Name:** NEIL ARONOW  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 13020 OAK HILLS DR
<b>Name:</b> NEIL ARONOW	<b>Street 2:</b> UNIT 225G
<b>Date Became Current:</b>	<b>City:</b> SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 213-675-3554	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90740

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 13020 OAK HILLS DR
<b>Name:</b> NEIL ARONOW	<b>Street 2:</b> UNIT 225G

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Date Became Current:</b>				<b>City:</b>	SEAL BEACH	
<b>Date Ended Current:</b>				<b>State:</b>	CA	
<b>Phone:</b>	213-675-3554			<b>Country:</b>		
<b>Source Type:</b>	Implementer			<b>Zip Code:</b>	90740	
<a href="#">140</a>	1 of 2	SSE	0.10 / 549.82	7.57 / -7	1080 BROOKLINE RD SEAL BEACH CA	HIST CHMIRS
<b>OES Control NO:</b>	9190066			<b>Incident Date:</b>	2/12/1991	
<b>Release Factors:</b>	Mechanical Failure			<b>Date Reported:</b>	12/1/1991	
<b>Release Text:</b>				<b>Fatalities:</b>	0	
<b>Equipm Involved:</b>	Other			<b>Other Injury:</b>	0	
<b>Action Taken Text:</b>				<b>Other Decon:</b>		
<b>Chemicals:</b>	GASOLINE			<b>Other Fatal:</b>	0	
<b>Case Number:</b>				<b>Vehicle:</b>	VW	
<b>HazMat Other:</b>				<b>State:</b>	CA	
<b>HM Injury:</b>	0			<b>CA DOT PUC ICC:</b>	SQY689	
<b>Decon:</b>				<b>Company Name:</b>		
<b>Agency Name:</b>	ORANGE CFD			<b>County:</b>	ORANGE	
<b>HazMat Pers:</b>	Dot Manual, On-site Fire Services					
<b>Action Taken:</b>	Remove Hazard (Neutralize)					
<b>More than three involved?:</b>						
<a href="#">140</a>	2 of 2	SSE	0.10 / 549.82	7.57 / -7	BILL HAMILTON 1080 BROOKLINE RD APT 213A SEAL BEACH CA 907403271	HAZ GEN
<b>Epa ID:</b>	CAC002832792			<b>Facility County:</b>	30	
<b>Address 2:</b>				<b>County:</b>	Orange	
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002832792">https://hwts.dtsc.ca.gov/facility/CAC002832792</a>					
<a href="#">141</a>	1 of 1	SSE	0.10 / 551.11	7.64 / -7	CAROL COX 1060 BROOKLINE RD #212A SEAL BEACH CA 90740	RCRA NON GEN
<b>EPA Handler ID:</b>	CAC003166833					
<b>Gen Status Universe:</b>	No Report					
<b>Contact Name:</b>	CAROL COX					
<b>Contact Address:</b>	1060 BROOKLINE RD #212A , , SEAL BEACH , CA, 90740 ,					
<b>Contact Phone No and Ext:</b>	714-401-5162					
<b>Contact Email:</b>	CACLUVSJC@YAHOO.COM					
<b>Contact Country:</b>						
<b>County Name:</b>	ORANGE					
<b>EPA Region:</b>	09					
<b>Land Type:</b>						
<b>Receive Date:</b>	20220317					
<b>Location Latitude:</b>						
<b>Location Longitude:</b>						

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20220317  
**Handler Name:** CAROL COX  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 1060 BROOKLINE RD #212A
<b>Name:</b> CAROL COX	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 714-401-5162	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90740

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 1060 BROOKLINE RD #212A
<b>Name:</b> CAROL COX	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> SEAL BEACH
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 714-401-5162	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 90740

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">142</a>	1 of 1	SSE	0.11 / 604.21	7.72 / -7	STEPHEN J LOPEZ 1100 BROOKLINE RD UNIT 222-A SEAL BEACH CA 90740	HAZ GEN
<b>Epa ID:</b>		CAC002919611		<b>Facility County:</b>		
<b>Address 2:</b>		<b>County:</b>				
<b>Details DTSC HWTS:</b>		The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>				
<b>Handler Profile URL:</b>		<a href="https://hwts.dtsc.ca.gov/facility/CAC002919611">https://hwts.dtsc.ca.gov/facility/CAC002919611</a>				

<a href="#">143</a>	1 of 1	SE	0.18 / 967.55	9.02 / -5	DONNA WENRICH 13061 OAK HILL DRIVE #221-L SEAL BEACH CA 90740	FINDS/FRS
<b>Registry ID:</b>		110070439312				
<b>FIPS Code:</b>		06059				
<b>HUC Code:</b>						
<b>Site Type Name:</b>		STATIONARY				
<b>Location Description:</b>						
<b>Supplemental Location:</b>						
<b>Create Date:</b>		31-DEC-18				
<b>Update Date:</b>						
<b>Interest Types:</b>		OTHER HAZARDOUS WASTE ACTIVITIES				
<b>SIC Codes:</b>						
<b>SIC Code Descriptions:</b>						
<b>NAICS Codes:</b>						
<b>NAICS Code Descriptions:</b>						
<b>Conveyor:</b>						
<b>Federal Facility Code:</b>						
<b>Federal Agency Name:</b>						
<b>Tribal Land Code:</b>						
<b>Tribal Land Name:</b>						
<b>Congressional Dist No:</b>						
<b>Census Block Code:</b>						
<b>EPA Region Code:</b>		09				
<b>County Name:</b>		ORANGE				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>						
<b>Longitude:</b>						
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>						
<b>Accuracy Value:</b>						
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070439312">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070439312</a>				
<b>Program Acronyms:</b>						
RCRAINFO:CAC002986156						

<a href="#">144</a>	1 of 1	SE	0.18 / 968.44	9.02 / -5	LUKA SIDARONS 13081 OAK HILLS DRIVE #223F	HAZ GEN
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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SEAL BEACH CA 90740

**Epa ID:** CAC002923420 **Facility County:** 30  
**Address 2:** **County:** Orange  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002923420>

<a href="#">145</a>	1 of 1	SSE	0.13 / 702.19	7.65 / -7	LYNNE RETMIER 13140 NASSAU DR APT 214B SEAL BEACH CA 907403227	HAZ GEN
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**Epa ID:** CAC002874878 **Facility County:** 30  
**Address 2:** **County:** Orange  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002874878>

<a href="#">146</a>	1 of 2	NNW	0.24 / 1,266.87	13.37 / -1	RYAN MCMULLAN 1903 VUELTA GRANDE AVE LONG BEACH CA 90815	HAZNET
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**SIC Code:** **Mailing City:** LONG BEACH  
**NAICS Code:** **Mailing State:** CA  
**EPA ID:** CAC002657863 **Mailing Zip:** 90815  
**Create Date:** 9/20/2010 **Region Code:** 3  
**Fac Act Ind:** No **Owner Name:** RYAN MCMULLAN  
**Inact Date:** 3/20/2011 **Owner Addr 1:** 1903 VUELTA GRANDE AVE  
**County Code:** 19 **Owner Addr 2:**  
**County Name:** Los Angeles **Owner City:** LONG BEACH  
**Mail Name:** **Owner State:** CA  
**Mailing Addr 1:** 1903 VUELTA GRANDE AVE **Owner Zip:** 90815  
**Mailing Addr 2:** **Owner Phone:** 3109441586  
**Owner Fax:**  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**DTSC Handler Profile url:** <https://hwts.dtsc.ca.gov/facility/CAC002657863>

<a href="#">146</a>	2 of 2	NNW	0.24 / 1,266.87	13.37 / -1	SARAH & RYAN MCMULLAN 1903 VUELTA GRANDE AVE LONG BEACH CA 90815	HAZ GEN
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**Epa ID:** CAC002657978 **Facility County:** 19  
**Address 2:** **County:** Los Angeles  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002657978>

<a href="#">147</a>	1 of 1	SE	0.23 / 1,202.46	8.04 / -6	LEISURE WORLD, INC 1280 SCIOTO RD SEAL BEACH CA 90790	HAZNET
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>SIC Code:</b>				<b>Mailing City:</b> SEAL BEACH		
<b>NAICS Code:</b>				<b>Mailing State:</b> CA		
<b>EPA ID:</b>	CAC002565884			<b>Mailing Zip:</b> 90790		
<b>Create Date:</b>	5/29/2003			<b>Region Code:</b> 4		
<b>Fac Act Ind:</b>	No			<b>Owner Name:</b> LEISURE WORLD, INC		
<b>Inact Date:</b>	11/26/2003			<b>Owner Addr 1:</b> 1280 SCIOTO RD		
<b>County Code:</b>	30			<b>Owner Addr 2:</b>		
<b>County Name:</b>	Orange			<b>Owner City:</b> SEAL BEACH		
<b>Mail Name:</b>				<b>Owner State:</b> CA		
<b>Mailing Addr 1:</b>	1280 SCIOTO RD			<b>Owner Zip:</b> 90790		
<b>Mailing Addr 2:</b>				<b>Owner Phone:</b> 5624316586		
<b>Owner Fax:</b>						
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>DTSC Handler Profile url:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002565884">https://hwts.dtsc.ca.gov/facility/CAC002565884</a>					

<a href="#">148</a>	1 of 1	N	0.22 / 1,168.50	16.24 / 2	<b>GENNI PROGLIO</b> 6931 E FAIRBROOK ST LONG BEACH CA 908153602	HAZ GEN
<b>Epa ID:</b>	CAC002671156			<b>Facility County:</b> 19		
<b>Address 2:</b>				<b>County:</b> Los Angeles		
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002671156">https://hwts.dtsc.ca.gov/facility/CAC002671156</a>					

<a href="#">149</a>	1 of 1	SE	0.23 / 1,238.11	8.83 / -5	<b>DORIS WEINERT</b> 13121 OAKHILLS RD UNIT 233-F SEAL BEACH CA 90740	HAZ GEN
<b>Epa ID:</b>	CAC002919626			<b>Facility County:</b>		
<b>Address 2:</b>				<b>County:</b>		
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002919626">https://hwts.dtsc.ca.gov/facility/CAC002919626</a>					

<a href="#">150</a>	1 of 2	SE	0.24 / 1,254.28	8.83 / -5	<b>JIMMIE AKARASRIWON</b> 13101 OAK HILLS DR APT 234G SEAL BEACH CA 907403237	HAZ GEN
<b>Epa ID:</b>	CAC002829400			<b>Facility County:</b> 30		
<b>Address 2:</b>				<b>County:</b> Orange		
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>					
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002829400">https://hwts.dtsc.ca.gov/facility/CAC002829400</a>					

<a href="#">150</a>	2 of 2	SE	0.24 / 1,254.28	8.83 / -5	<b>BETH MAYER</b> 13101 OAK HILLS DR # 23A SEAL BEACH CA 907403295	HAZ GEN
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Epa ID:</b>	CAC002864355	<b>Facility County:</b>	30			
<b>Address 2:</b>		<b>County:</b>	Orange			
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search					
<b>Handler Profile URL:</b>	https://hwts.dtsc.ca.gov/facility/CAC002864355					

<a href="#">151</a>	1 of 1	SE	0.23 / 1,222.41	8.59 / -6	<b>TOM DUCKWORTH</b> 1123 NORTHWOOD 236H SEAL BEACH CA 90740	RCRA NON GEN
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**EPA Handler ID:** CAC002988008  
**Gen Status Universe:** No Report  
**Contact Name:** TOM DUCKWORTH  
**Contact Address:** 1123 NORTHWOOD 236H , , SEAL BEACH , CA, 90740 ,  
**Contact Phone No and Ext:** 562-296-5641  
**Contact Email:** MANIFEST.SIRRIS@GMAIL.COM  
**Contact Country:**  
**County Name:** ORANGE  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20181106  
**Location Latitude:** 33.771339  
**Location Longitude:** -118.09282

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Sep 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Receive Date:</b>		20181106				
<b>Handler Name:</b>		TOM DUCKWORTH				
<b>Source Type:</b>		Implementer				
<b>Federal Waste Generator Code:</b>		N				
<b>Generator Code Description:</b>		Not a Generator, Verified				

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	1123 NORTHWOOD 236H
<b>Name:</b>	TOM DUCKWORTH	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	SEAL BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-396-5641	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90740

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	1123 NORTHWOOD 236H
<b>Name:</b>	TOM DUCKWORTH	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	SEAL BEACH
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	562-296-5641	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	90740

[152](#) 1 of 1 SE 0.23 / 1,226.31 8.67 / -6 JOHANSEN, RICHARD 1125 NORTHWOOD RD. SEAL BEACH CA 90740 HAZ GEN

<b>Epa ID:</b>	CAC002743881	<b>Facility County:</b>	30
<b>Address 2:</b>		<b>County:</b>	Orange
<b>Details DTSC HWTS:</b>	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a>		
<b>Handler Profile URL:</b>	<a href="https://hwts.dtsc.ca.gov/facility/CAC002743881">https://hwts.dtsc.ca.gov/facility/CAC002743881</a>		

[153](#) 1 of 1 SE 0.23 / 1,225.06 8.67 / -6 TOM DUCKWORTH 1123 NORTHWOOD 236H SEAL BEACH CA 90740 FINDS/FRS

<b>Registry ID:</b>	110070441615
<b>FIPS Code:</b>	06059
<b>HUC Code:</b>	
<b>Site Type Name:</b>	STATIONARY
<b>Location Description:</b>	
<b>Supplemental Location:</b>	
<b>Create Date:</b>	02-JAN-19
<b>Update Date:</b>	
<b>Interest Types:</b>	OTHER HAZARDOUS WASTE ACTIVITIES
<b>SIC Codes:</b>	
<b>SIC Code Descriptions:</b>	
<b>NAICS Codes:</b>	
<b>NAICS Code Descriptions:</b>	
<b>Conveyor:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 09  
**County Name:** ORANGE  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070441615](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070441615)  
**Program Acronyms:**  
 RCRAINFO:CAC002988008

<a href="#">154</a>	1 of 1	SE	0.23 / 1,223.86	8.67 / -6	ALICE CALHOUN 1121 NORTHWOOD RD APT 237E SEAL BEACH CA 907403337	HAZ GEN
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**Epa ID:** CAC002874879  
**Address 2:**  
**Details DTSC HWTS:** The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:  
<https://hwts.dtsc.ca.gov/search>  
**Handler Profile URL:** <https://hwts.dtsc.ca.gov/facility/CAC002874879>

# Unplottable Summary

Total: 1 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
ERNS		E 7TH STREET N STUDEBAKER ROAD	SEAL BEACH CA		806917668

# Unplottable Report

**Site:**

E 7TH STREET N STUDEBAKER ROAD SEAL BEACH CA

ERNS

<b>NRC Report No:</b>	905580	<b>Latitude Degrees:</b>	
<b>Type of Incident:</b>	UNKNOWN SHEEN	<b>Latitude Minutes:</b>	
<b>Incident Cause:</b>	UNKNOWN	<b>Latitude Seconds:</b>	
<b>Incident Date:</b>	5/14/2009 9:30:00 AM	<b>Longitude Degrees:</b>	
<b>Incident Location:</b>	UNKNOWN SHEEN INCIDENT	<b>Longitude Minutes:</b>	
<b>Incident Dtg:</b>	DISCOVERED	<b>Longitude Seconds:</b>	
<b>Distance from City:</b>		<b>Lat Quad:</b>	
<b>Distance Units:</b>		<b>Long Quad:</b>	
<b>Direction from City:</b>		<b>Location Section:</b>	
<b>Location County:</b>	LOS ANGELES	<b>Location Township:</b>	
<b>Potential Flag:</b>	No	<b>Location Range:</b>	
<b>Year:</b>	Year 2009 Reports		
<b>Description of Incident:</b>	THE CALLER IS REPORTING A FOREIGN SUBSTANCE IN THE WATER. THE ORIGIN OF THE SUBSTANCE IS UNKNOWN. THE CALLER STATED THAT THE PRODUCT IS PINK IN COLOR, AND THE PRODUCT FLOATS. THE CALLER STATED THAT THE PRODUCT MAY BE PAINT		

**Material Spill Information**

<b>Chris Code:</b>	OUN	<b>Unit of Measure:</b>	UNKNOWN AMOUNT
<b>CAS No:</b>	000000-00-0	<b>If Reached Water:</b>	YES
<b>UN No:</b>		<b>Amount in Water:</b>	0
<b>Name of Material:</b>	UNKNOWN OIL	<b>Unit Reach Water:</b>	UNKNOWN AMOUNT
<b>Amount of Material:</b>	0		

**Calls Information**

<b>Date Time Received:</b>	5/14/2009 12:39:29 PM	<b>Responsible City:</b>	
<b>Date Time Complete:</b>	5/14/2009 12:58:23 PM	<b>Responsible State:</b>	XX
<b>Call Type:</b>	INC	<b>Responsible Zip:</b>	
<b>Resp Company:</b>		<b>Source:</b>	TELEPHONE
<b>Resp Org Type:</b>	UNKNOWN		

**Incident Information**

<b>Tank ID:</b>		<b>Building ID:</b>	
<b>Tank Regulated:</b>	U	<b>Location Area ID:</b>	
<b>Tank Regulated By:</b>		<b>Location Block ID:</b>	
<b>Capacity of Tank:</b>		<b>OCSG No:</b>	
<b>Capacity Tank Units:</b>		<b>OCSF No:</b>	
<b>Description of Tank:</b>		<b>State Lease No:</b>	
<b>Actual Amount:</b>		<b>Pier Dock No:</b>	
<b>Actual Amount Units:</b>		<b>Berth Slip No:</b>	
<b>Tank Above Ground:</b>	ABOVE	<b>Brake Failure:</b>	U
<b>NPDES:</b>		<b>Airbag Deployed:</b>	U
<b>NPDES Compliance:</b>	U	<b>Transport Contain:</b>	U
<b>Init Contin Rel No:</b>		<b>Location Subdiv:</b>	
<b>Contin Rel Permit:</b>		<b>Platform Rig Name:</b>	
<b>Contin Release Type:</b>		<b>Platform Letter:</b>	
<b>Aircraft ID:</b>		<b>Allision:</b>	N
<b>Aircraft Runway No:</b>		<b>Type of Structure:</b>	
<b>Aircraft Spot No:</b>		<b>Structure Name:</b>	
<b>Aircraft Type:</b>		<b>Structure Oper:</b>	U
<b>Aircraft Model:</b>		<b>Transit Bus Flag:</b>	
<b>Aircraft Fuel Cap:</b>		<b>Date Time Norm Serv:</b>	
<b>Aircraft Fuel Cap U:</b>		<b>Serv Disrupt Time:</b>	
<b>Aircraft Fuel on Brd:</b>		<b>Serv Disrupt Units:</b>	

**Aircraft Fuel OB U:**  
**Aircraft Hanger:**  
**Road Mile Marker:**  
**Power Gen Facility:** U  
**Generating Capacity:**  
**Type of Fixed Obj:**  
**Type of Fuel:**  
**DOT Crossing No:**  
**DOT Regulated:** U  
**Pipeline Type:**  
**Pipeline Abv Ground:** ABOVE  
**Pipeline Covered:** U  
**Exposed Underwater:** N  
**Railroad Hotline:**  
**Railroad Milepost:**  
**Grade Crossing:** U  
**Crossing Device Ty:**  
**Ty Vehicle Involved:**  
**Device Operational:** U

**CR Begin Date:**  
**CR End Date:**  
**CR Change Date:**  
**FBI Contact:**  
**FBI Contact Dt Tm:**  
**Passenger Handling:**  
**Passenger Route:** XXX  
**Passenger Delay:** XXX  
**Sub Part C Test Req:** XXX  
**Conductor Test:**  
**Engineer Test:**  
**Trainman Test:**  
**Yard Foreman Test:**  
**RCL Operator Test:**  
**Brakeman Test:**  
**Train Dispat Test:**  
**Signalman Test:**  
**Oth Employee Test:**  
**Unknown Test:**

**Incident Details Information**

**Release Secured:** U  
**Release Rate:**  
**Release Rate Unit:**  
**Release Rate Rate:**  
**Est Duration of Rel:**  
**Desc Remedial Act:** NONE  
**Fire Involved:** N  
**Fire Extinguished:** U  
**Any Evacuations:** N  
**No Evacuated:**  
**Who Evacuated:**  
**Radius of Evacu:**  
**Any Injuries:** N  
**No. Injured:**  
**No. Hospitalized:**  
**No. Fatalities:**  
**Any Fatalities:** N  
**Any Damages:** N  
**Damage Amount:**  
**Air Corridor Closed:** N  
**Air Corridor Desc:**  
**Air Closure Time:**  
**Waterway Closed:** N  
**Waterway Desc:**  
**Waterway Close Time:**  
**Road Closed:** N  
**Road Desc:**  
**Road Closure Time:**  
**Road Closure Units:**  
**Closure Direction:**  
**Major Artery:** No  
**Track Closed:** N  
**Track Desc:**  
**Track Closure Time:**  
**Track Closure Units:**  
**Track Close Dir:**  
**Media Interest:** NONE  
**Medium Desc:** WATER  
**Addl Medium Info:**

**State Agen Report No:** NONE  
**State Agen on Scene:** NONE  
**State Agen Notified:** NONE  
**Fed Agency Notified:** USCG  
**Oth Agency Notified:**  
**Body of Water:** LOS CERRITOS CHANNEL  
**Tributary of:** ALAMITOS BAY  
**Near River Mile Make:**  
**Near River Mile Mark:**  
**Offshore:** N  
**Weather Conditions:** SUNNY  
**Air Temperature:** 60  
**Wind Direction:** W  
**Wind Speed:** 4  
**Wind Speed Unit:** MPH  
**Water Supp Contam:** N  
**Water Temperature:**  
**Wave Condition:**  
**Current Speed:**  
**Current Direction:**  
**Current Speed Unit:**  
**EMPL Fatality:**  
**Pass Fatality:**  
**Community Impact:**  
**Passengers Transfer:** NO  
**Passenger Injuries:**  
**Employee Injuries:**  
**Occupant Fatality:**  
**Sheen Size:**  
**Sheen Size Units:**  
**Sheen Size Length:** 150  
**Sheen Size Length U:** FEET  
**Sheen Size Width:** 4  
**Sheen Size Width U:** FEET  
**Sheen Color:** OTHER  
**Dir of Sheen Travel:**  
**Sheen Odor Desc:**  
**Duration Unit:**  
**Additional Info:** CALLER HAD NO ADDITIONAL INFORMATION.

# Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:*

*"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."*

## **Standard Environmental Record Sources**

### **Federal**

#### **Formerly Utilized Sites Remedial Action Program:**

[DOE FUSRAP](#)

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

**Government Publication Date: Mar 4, 2017**

#### **National Priority List:**

[NPL](#)

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Jul 26, 2022**

#### **National Priority List - Proposed:**

[PROPOSED NPL](#)

Sites proposed - by the EPA, the state agency, or concerned citizens - for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Jul 26, 2022**

#### **Deleted NPL:**

[DELETED NPL](#)

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Jul 26, 2022**

**SEMS List 8R Active Site Inventory:**

[SEMS](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

**Government Publication Date: Sep 28, 2022**

**SEMS List 8R Archive Sites:**

[SEMS ARCHIVE](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

**Government Publication Date: Sep 28, 2022**

**Inventory of Open Dumps, June 1985:**

[ODI](#)

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

**Government Publication Date: Jun 1985**

**Comprehensive Environmental Response, Compensation and Liability Information System -**

[CERCLIS](#)

**CERCLIS:**

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

**Government Publication Date: Oct 25, 2013**

**EPA Report on the Status of Open Dumps on Indian Lands:**

[IODI](#)

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

**Government Publication Date: Dec 31, 1998**

**CERCLIS - No Further Remedial Action Planned:**

[CERCLIS NFRAP](#)

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means 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 this site on the National Priorities List (NPL). This 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 a potential NPL site.

**Government Publication Date: Oct 25, 2013**

**CERCLIS Liens:**

[CERCLIS LIENS](#)

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

**Government Publication Date: Jan 30, 2014**

**RCRA CORRACTS-Corrective Action:**

[RCRA CORRACTS](#)

RCRA Info 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

**Government Publication Date: Sep 5, 2022**

**RCRA non-CORRACTS TSD Facilities:**

[RCRA TSD](#)

RCRA Info 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

**Government Publication Date: Sep 5, 2022**

**RCRA Generator List:**

[RCRA LQG](#)

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

**Government Publication Date: Sep 5, 2022**

**RCRA Small Quantity Generators List:**

[RCRA SQG](#)

RCRA Info is the 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

**Government Publication Date: Sep 5, 2022**

**RCRA Very Small Quantity Generators List:**

[RCRA VSQG](#)

RCRA Info is the 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

**Government Publication Date: Sep 5, 2022**

**RCRA Non-Generators:**

[RCRA NON GEN](#)

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

**Government Publication Date: Sep 5, 2022**

**RCRA Sites with Controls:**

[RCRA CONTROLS](#)

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

**Government Publication Date: Sep 5, 2022**

**Federal Engineering Controls-ECs:**

[FED ENG](#)

This list of Engineering controls (ECs) is provided by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Oct 27, 2022**

**Federal Institutional Controls- ICs:**

FED INST

This list of Institutional controls (ICs) is provided by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Oct 27, 2022**

**Land Use Control Information System:**

LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

**Government Publication Date: Sep 1, 2006**

**Institutional Control Boundaries at NPL sites:**

NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

**Government Publication Date: Jul 26, 2022**

**Emergency Response Notification System:**

ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date: 1982-1986**

**Emergency Response Notification System:**

ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date: 1987-1989**

**Emergency Response Notification System:**

ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

**Government Publication Date: Aug 28, 2022**

**The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:**

FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

**Government Publication Date: Sep 13, 2022**

**FEMA Underground Storage Tank Listing:**

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

**Government Publication Date: Dec 31, 2017**

**Facility Response Plan:**

[FRP](#)

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

**Government Publication Date: Dec 31, 2021**

**Delisted Facility Response Plans:**

[DELISTED FRP](#)

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

**Government Publication Date: Dec 31, 2021**

**Historical Gas Stations:**

[HIST GAS STATIONS](#)

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

**Government Publication Date: Jul 1, 1930**

**Petroleum Refineries:**

[REFN](#)

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

**Government Publication Date: Aug 30, 2022**

**Petroleum Product and Crude Oil Rail Terminals:**

[BULK TERMINAL](#)

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

**Government Publication Date: Jun 29, 2022**

**LIEN on Property:**

[SEMS LIEN](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

**Government Publication Date: Sep 28, 2022**

**Superfund Decision Documents:**

[SUPERFUND ROD](#)

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

**Government Publication Date: Sep 28, 2022**

**State**

**State Response Sites:**

[RESPONSE](#)

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

**Government Publication Date: Oct 17, 2022**

**EnviroStor Database:**

[ENVIROSTOR](#)

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

**Government Publication Date: Oct 17, 2022**

**Delisted State Response Sites:**

DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

**Government Publication Date: Oct 17, 2022**

**Solid Waste Information System (SWIS):**

SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

**Government Publication Date: Aug 3, 2022**

**Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels:**

SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

**Government Publication Date: Sep 20, 2006**

**Waste Management Unit Database:**

WMUD

The Waste Management Unit Database System tracks and inventories waste management units. CCR Title 27 contains criteria stating that Waste Management Units are classified according to their ability to contain wastes. Containment shall be determined by geology, hydrology, topography, climatology, and other factors relating to the ability of the Unit to protect water quality. Water Code Section 13273.1 requires that operators submit a water quality solid waste assessment test (SWAT) report to address leak status. The WMUDS was last updated by the State Water Resources control board in 2000.

**Government Publication Date: Jan 1, 2000**

**EnviroStor Hazardous Waste Facilities:**

HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

**Government Publication Date: Oct 17, 2022**

**Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report:**

SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

**Government Publication Date: Dec 31, 1995**

**Construction and Demolition Debris Recyclers:**

C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

**Government Publication Date: Jun 20, 2018**

**Recycling Centers:**

RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

**Government Publication Date: Oct 11, 2022**

**Listing of Certified Processors:**

PROCESSORS

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

**Government Publication Date: Oct 11, 2022**

**Listing of Certified Dropoff, Collection, and Community Service Programs:**

CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

**Government Publication Date: Oct 11, 2022**

**Land Disposal Sites:**

LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

**Government Publication Date: Jul 25, 2022**

**Leaking Underground Fuel Tank Reports:**

LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

**Government Publication Date: Jul 25, 2022**

**Delisted Leaking Storage Tanks:**

DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

**Government Publication Date: Jul 25, 2022**

**Permitted Underground Storage Tank (UST) in GeoTracker:**

UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

**Government Publication Date: Jul 20, 2022**

**Proposed Closure of Underground Storage Tank Cases:**

UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

**Government Publication Date: May 5, 2021**

**Historical Hazardous Substance Storage Information Database:**

HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

**Government Publication Date: Aug 27, 2015**

**Statewide Environmental Evaluation and Planning System:**

UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

**Government Publication Date: Oct 1, 1994**

**Aboveground Storage Tanks:**

AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

**Government Publication Date: Aug 31, 2009**

**SWRCB Historical Aboveground Storage Tanks:**

AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

**Government Publication Date: Dec 1, 2007**

**Oil and Gas Facility Tanks:**

TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

**Government Publication Date: Oct 6, 2022**

**Delisted Storage Tanks:**

[DELISTED TNK](#)

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

**Government Publication Date: Oct 6, 2022**

**California Environmental Reporting System (CERS) Tanks:**

[CERS TANK](#)

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. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

**Government Publication Date: Oct 7, 2022**

**Delisted California Environmental Reporting System (CERS) Tanks:**

[DELISTED CTNK](#)

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

**Government Publication Date: Oct 7, 2022**

**Historical Hazardous Substance Storage Container Information - Facility Summary:**

[HIST TANK](#)

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in the 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

**Government Publication Date: May 27, 1988**

**Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions:**

[LUR](#)

The Department of Toxic Substances Control (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 land use restrictions that are active. Some sites have multiple land use restrictions.

**Government Publication Date: Oct 17, 2022**

**CALSITES Database:**

[CALSITES](#)

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

**Government Publication Date: May 1, 2004**

**Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions:**

[HLUR](#)

The Department of Toxic Substances Control (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.

**Government Publication Date: Feb 18, 2021**

**Deed Restrictions and Land Use Restrictions:**

[DEED](#)

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

**Government Publication Date: Jul 25, 2022**

**Voluntary Cleanup Program:**

[VCP](#)

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

**Government Publication Date: Oct 17, 2022**

**GeoTracker Cleanup Program Sites:**

[CLEANUP SITES](#)

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

*Government Publication Date: Jul 25, 2022*

**Delisted Cleanup Program Sites:**

[DELISTED CLEANUP](#)

A list of Cleanup Program sites which were once included - and have since been removed from - the list of Cleanup Program Sites in GeoTracker. GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

*Government Publication Date: Jul 25, 2022*

**Delisted County Records:**

[DELISTED COUNTY](#)

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

*Government Publication Date: Nov 29, 2022*

**Tribal**

**Leaking Underground Storage Tanks (LUSTs) on Indian Lands:**

[INDIAN LUST](#)

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

*Government Publication Date: Apr 8, 2022*

**Underground Storage Tanks (USTs) on Indian Lands:**

[INDIAN UST](#)

USTs on Tribal/Indian Lands in Region 9, which includes California.

*Government Publication Date: Apr 8, 2022*

**Delisted Tribal Leaking Storage Tanks:**

[DELISTED ILST](#)

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

*Government Publication Date: Apr 9, 2022*

**Delisted Tribal Underground Storage Tanks:**

[DELISTED IUST](#)

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

*Government Publication Date: Apr 20, 2022*

**County**

**Los Angeles County - Site Mitigation List:**

[SML LA](#)

A Site Mitigation List in the County of Los Angeles. The list is made available by Los Angeles County Fire Department. Site mitigation is handled by the Site Mitigation Unit (SMU) which facilitates completion of site clean-up projects of contaminated sites in an expeditious manner in all cities of the Los Angeles County except El Segundo, Glendale, Long Beach, Santa Fe Springs, and Vernon.

*Government Publication Date: May 26, 2021*

**Los Angeles County - Solid Waste Sites:**

[SWF LA COUNTY](#)

List of permitted solid waste facilities, closed landfills, historical dumpsites and other solid waste sites in Los Angeles County, made available by the Department of Public Works in Los Angeles County.

*Government Publication Date: Nov 10, 2022*

**Los Angeles County - CUPA Program Records:**

[CUPA LA COUNTY](#)

A list of inspection and enforcement records for active and inactive CUPA Program facilities, made available by the Health Hazardous Materials Division (HHMD) of the County of Los Angeles Fire Department. Includes Hazardous Materials Business Plan (HMBP), California Accidental Release Prevention Plan (CalARP), Hazardous Waste Generator (HWG), and the Aboveground Petroleum Storage Act Programs (APSA). Inactive programs include facilities that are out of business or no longer regulated by the HHMD.

*Government Publication Date: Mar 25, 2020*

**Los Angeles County - HMS List:**

[HMS LA](#)

List of sites in the Los Angeles County Department of Public Works Hazardous Materials System (HMS) Database which have or have had permits for Industrial Waste, Underground Storage Tanks, or Stormwater in the county of Los Angeles.

*Government Publication Date: Nov 5, 2020*

**Los Angeles County - Santa Fe Springs Underground Storage Tank:**

[UST SANTAFESP](#)

A list of registered active Underground Storage Tanks (USTs) in the City of Santa Fe Springs. This list is made available by Santa Fe Springs Department of Fire-Rescue.

**Government Publication Date: Feb 11, 2022**

**Los Angeles County - Long Beach UST List:**

[UST LONGB](#)

List of registered Underground Storage Tanks (USTs) in the City of Long Beach, Los Angeles County, made available by the Long Beach Certified Unified Program Agency (CUPA). The Long Beach CUPA operates under oversight shared by the Long Beach Fire Department and Health Department.

**Government Publication Date: Jul 9, 2018**

**Los Angeles County - Burbank City CUPA List:**

[CUPA BURBANK](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Burbank. This list is made available by the City of Burbank Fire Department.

**Government Publication Date: Aug 21, 2019**

**Los Angeles County - El Segundo City Underground Storage Tanks List:**

[UST ELSEGUNDO](#)

List of registered Underground Storage Tanks (USTs) in the City of El Segundo of Los Angeles County, made available by El Segundo City Fire Department.

**Government Publication Date: Jan 17, 2017**

**Los Angeles County - Santa Monica City Underground Storage Tank List:**

[UST SANTA MONICA](#)

A list of registered active Underground Storage Tanks (USTs) in the City of Santa Monica made available by Santa Monica Fire Prevention Division.

**Government Publication Date: Dec 3, 2020**

**Los Angeles County - Santa Monica City Aboveground Storage Tank List:**

[AST SANTAMON](#)

List of registered Aboveground Storage Tanks (ASTs) made available by the Santa Monica Fire Department in the City of Santa Monica of Los Angeles County, California.

**Government Publication Date: Jan 14, 2022**

**Los Angeles County - Santa Monica City CUPA Facilities List:**

[CUPA SANTAMON](#)

The Santa Monica Fire Department's office maintains a list of CUPA Facilities located in Santa Monica city.

**Government Publication Date: Jan 14, 2022**

**Los Angeles County - Torrance City Underground Storage Tanks:**

[UST TORRANCE](#)

A list of registered Underground Storage Tank (UST) sites in Torrance City of Los Angeles County. This list is made available by Torrance City Office of Clerk.

**Government Publication Date: Apr 20, 2022**

**Los Angeles County - Vernon City UST List:**

[UST VERNON](#)

A list of Underground Storage Tanks (UST) in Vernon City provided by the Vernon City Fire Department.

**Government Publication Date: Aug 25, 2022**

**Los Angeles County - Vernon City CUPA List:**

[CUPA VERNON](#)

The Vernon City Fire Department's office maintains a list of CUPA Facilities located in Vernon city.

**Government Publication Date: Aug 25, 2022**

**Los Angeles County - City of Los Angeles UST List:**

[UST LA CITY](#)

A list of active and inactive underground storage tank facilities made available by the Los Angeles Fire Department CUPA.

**Government Publication Date: Nov 1, 2022**

**Los Angeles County - City of Los Angeles AST List:**

[AST LA CITY](#)

A list of active and inactive above ground petroleum storage tanks made available by the Los Angeles Fire Department CUPA.

**Government Publication Date: Jun 1, 2019**

**Los Angeles County - City of Los Angeles Hazardous Materials Facilities:**

[HAZMAT LA CITY](#)

A list of active and inactive hazardous materials facilities made available by the Los Angeles Fire Department CUPA.

**Government Publication Date: Jun 1, 2019**

**Orange County - Industrial Cleanup Program Cases Listing:**

[ICP ORANGE](#)

Orange County Health Care Agency's Environmental Health Division has an Industrial Cleanup (IC) program which oversees the voluntary cleanup of contaminated property. This is a list of cases (by city) which the IC program has overseen in the past, or is currently overseeing.

**Government Publication Date: May 24, 2022**

**Orange County - LOP Lead Cases List:**

[LOP ORANGE](#)

The Local Oversight Program of the County of Orange provides regulatory cleanup oversight for cleanup of leaking underground storage tanks (USTs). This dataset is provided by the Orange County Health Care Agency.

**Government Publication Date: May 24, 2022**

**Orange County - Non-Petroleum Underground Storage Tank Cases:**

[NPUT ORANGE](#)

This list of open and closed non-petroleum underground storage tank cases is maintained by the Orange County Health Care Agency.

**Government Publication Date: May 24, 2022**

**Orange County - Underground Storage Tanks Listing:**

[UST ORANGE](#)

A list of registered Underground Storage Tank (UST) sites in Orange County. This list is made available by Orange County Health Care Agency (OCHCA), Environmental Health Division which oversees the underground storage tank inspection program in most of the cities of Orange County, with the exception of Anaheim, Fullerton, and Orange.

**Government Publication Date: May 24, 2022**

**Orange County - Aboveground Petroleum Storage Tank Listing:**

[AST ORANGE](#)

A list of Aboveground Petroleum Storage Tank (APST) facilities inspected by Orange County Certified Unified Program Agency (CUPA) Under the Aboveground Petroleum Storage Act (APSA). This list is made available by the Environmental Health Division of Orange County Health Care Agency.

**Government Publication Date: May 24, 2022**

**Orange County - Anaheim City UST Cleanup Cases:**

[UST CLP ANAHEIM](#)

A list of UST Cleanup Cases in the City of Anaheim in Orange County. As part of its Groundwater Protection Program, the City of Anaheim managed the UST Cleanup Oversight Program from April 1991 to June 2014. This list is published by the City of Anaheim Underground Storage Tank Cleanup Program.

**Government Publication Date: May 26, 2015**

**Orange County - Anaheim City UST List:**

[UST ANAHEIM](#)

A list of Underground Storage Tanks in Anaheim City, Orange County. This list is made available by Anaheim Fire & Rescue Department.

**Government Publication Date: Aug 17, 2022**

**Orange County - Anaheim City AST List:**

[AST ANAHEIM](#)

List of Aboveground Storage Tanks (ASTs) in Anaheim City, Orange County made available by Anaheim Fire & Rescue.

**Government Publication Date: Aug 17, 2022**

## **Additional Environmental Record Sources**

### **Federal**

**Facility Registry Service/Facility Index:**

[FINDS/FRS](#)

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

**Government Publication Date: Nov 2, 2020**

**Toxics Release Inventory (TRI) Program:**

TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

**Government Publication Date: Aug 24, 2021**

**Perfluorinated Alkyl Substances (PFAS) Releases:**

PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

**Government Publication Date: Aug 24, 2021**

**PFOA/PFOS Contaminated Sites:**

PFAS NPL

List of National Priorities List (NPL) and related Superfund Alternative Agreement (SAA) sites where PFOA or PFOS contaminants have been found in water and/or soil. The site listing is provided by the Federal Environmental Protection Agency (EPA).

**Government Publication Date: Oct 4, 2022**

**Perfluorinated Alkyl Substances (PFAS) Water Quality:**

PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

**Government Publication Date: Jul 20, 2020**

**SSEHRI PFAS Contamination Sites:**

PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current information <https://pfasproject.com/pfas-contamination-site-tracker/>

**Government Publication Date: Dec 12, 2019**

**National Response Center PFAS Spills:**

ERNS PFAS

National Response Center (NRC) calls from 1990 to the most recent complete calendar year where there is indication of Aqueous Film Forming Foam (AFFF) usage. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Data made available by the US Environmental Protection Agency (EPA). Disclaimer: dataset may include initial or misidentified incident data not yet validated or investigated by a federal/state response agency.

**Government Publication Date: Feb 23, 2022**

**Hazardous Materials Information Reporting System:**

HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

**Government Publication Date: Sep 1, 2020**

**National Clandestine Drug Labs:**

NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data 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.

**Government Publication Date: Aug 30, 2022**

**Toxic Substances Control Act:**

TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

**Government Publication Date: Apr 11, 2019**

**Hist TSCA:**

[HIST TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

**Government Publication Date: Dec 31, 2006**

**FTTS Administrative Case Listing:**

[FTTS ADMIN](#)

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**Government Publication Date: Jan 19, 2007**

**FTTS Inspection Case Listing:**

[FTTS INSP](#)

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**Government Publication Date: Jan 19, 2007**

**Potentially Responsible Parties List:**

[PRP](#)

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

**Government Publication Date: Sep 28, 2022**

**State Coalition for Remediation of Drycleaners Listing:**

[SCRD DRYCLEANER](#)

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRDC no longer maintains this data, refer to applicable state source data where available.

**Government Publication Date: Nov 08, 2017**

**Integrated Compliance Information System (ICIS):**

[ICIS](#)

The U.S. Environmental Protection Agency's Enforcement and Compliance History Online system incorporates data from the Integrated Compliance Information System - National Pollutant Discharge Elimination System (ICIS-NPDES). ICIS-NPDES is an information management system maintained by the Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. This data includes permit, inspection, violation and enforcement action information for applicable ICIS records.

**Government Publication Date: Oct 15, 2022**

**Drycleaner Facilities:**

[FED DRYCLEANERS](#)

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

**Government Publication Date: Jun 25, 2022**

**Delisted Drycleaner Facilities:**

[DELISTED FED DRY](#)

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

**Government Publication Date: Jun 25, 2022**

**Formerly Used Defense Sites:**

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset.

**Government Publication Date:** Jul 12, 2022

**Former Military Nike Missile Sites:**

FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

**Government Publication Date:** Dec 2, 1984

**PHMSA Pipeline Safety Flagged Incidents:**

PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

**Government Publication Date:** Jul 7, 2020

**Material Licensing Tracking System (MLTS):**

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

**Government Publication Date:** May 11, 2021

**Historic Material Licensing Tracking System (MLTS) sites:**

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

**Government Publication Date:** Jan 31, 2010

**Mines Master Index File:**

MINES

The Master Index File (MIF) is provided by the United State Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

**Government Publication Date:** Aug 3, 2022

**Surface Mining Control and Reclamation Act Sites:**

SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (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 Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

**Government Publication Date:** Aug 18, 2022

**Mineral Resource Data System:**

MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

**DOE Legacy Management Sites:**

URANIUM

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Title II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Jun 21, 2022

**Alternative Fueling Stations:**

ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG) fuel type locations.

Government Publication Date: Oct 10, 2022

**Superfunds Consent Decrees:**

CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Sep 15, 2022

**Air Facility System:**

AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

**Registered Pesticide Establishments:**

SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 30, 2022

**Polychlorinated Biphenyl (PCB) Transformers:**

PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

**Polychlorinated Biphenyl (PCB) Notifiers:**

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Jul 28, 2022

**State**

**Dry Cleaning Facilities:**

[DRYCLEANERS](#)

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

**Government Publication Date: Dec 20, 2021**

**Delisted Drycleaners:**

[DELISTED DRYCLEANERS](#)

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

**Government Publication Date: Feb 28, 2020**

**Non-Toxic Dry Cleaning Incentive Program:**

[DRYC GRANT](#)

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

**Government Publication Date: Feb 28, 2020**

**Per- and Polyfluoroalkyl Substances (PFAS):**

[PFAS](#)

List of FAA Part 139 Airports, Selected Landfills, and Chrome Plating Facilities from California Water Boards PFAS Investigations, as well as sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

**Government Publication Date: Feb 15, 2022**

**PFOA/PFOS Groundwater:**

[PFAS GW](#)

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

**Government Publication Date: Aug 27, 2022**

**Hazardous Waste and Substances Site List - Site Cleanup:**

[HWSS CLEANUP](#)

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

**Government Publication Date: May 20, 2021**

**Toxic Pit Cleanup Act Sites:**

[TOXIC PITS](#)

The Toxic Pits Cleanup Act (TPCA) list identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. This list was maintained by the State Water Resources Control Board (SWRCB), is no longer maintained, and updates are not planned.

**Government Publication Date: Jul 1, 1995**

**List of Hazardous Waste Facilities Subject to Corrective Action:**

[DTSC HWF](#)

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

**Government Publication Date: Jul 18, 2016**

**EnviroStor Inspection, Compliance, and Enforcement:**

[INSP COMP ENF](#)

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

**Government Publication Date: Apr 29, 2021**

**School Property Evaluation Program Sites:**

[SCH](#)

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

**Government Publication Date: Oct 17, 2022**

**California Hazardous Material Incident Report System (CHMIRS):**

[CHMIRS](#)

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

**Government Publication Date: Aug 15, 2022**

**Historical California Hazardous Material Incident Report System (CHMIRS):**

[HIST CHMIRS](#)

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

**Government Publication Date: Jan 1, 1993**

**Handlers from Hazardous Waste Manifest Data:**

[HAZNET](#)

A list of handlers not otherwise classified as Treatment, Storage, Disposal facilities (TSDF) or generators from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

**Government Publication Date: Oct 24, 2016**

**Generators from Hazardous Waste Manifest Data:**

[HAZ GEN](#)

List of handlers listed as having generated waste from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

**Government Publication Date: Dec 31, 2017**

**TSDF from Hazardous Waste Manifest Data:**

[HAZ TSD](#)

List of Treatment, Storage, and Disposal Facilities (TSDFs) from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

**Government Publication Date: Dec 31, 2017**

**Historical Hazardous Waste Manifest Data:**

[HIST MANIFEST](#)

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

**Government Publication Date: Dec 31, 1992**

**DTSC Registered Hazardous Waste Transporters:**

[HW TRANSPORT](#)

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

**Government Publication Date: Sep 6, 2022**

**Registered Waste Tire Haulers:**

[WASTE TIRE](#)

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

**Government Publication Date: Oct 11, 2022**

**California Medical Waste Management Program Facility List:**

[MEDICAL WASTE](#)

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

**Government Publication Date: Oct 31, 2022**

**Historical Cortese List:**

[HIST CORTESE](#)

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

**Government Publication Date: Nov 13, 2008**

**Cease and Desist Orders and Cleanup and Abatement Orders:**

[CDO/CAO](#)

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

**Government Publication Date: Dec 6, 2021**

**California Environmental Reporting System (CERS) Hazardous Waste Sites:**

[CERS HAZ](#)

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

**Government Publication Date: Oct 7, 2022**

**Delisted Environmental Reporting System (CERS) Hazardous Waste Sites:**

[DELISTED HAZ](#)

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

**Government Publication Date: Nov 29, 2018**

**Sites in GeoTracker:**

[GEOTRACKER](#)

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

**Government Publication Date: Jul 25, 2022**

**Mines Listing:**

[MINE](#)

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

**Government Publication Date: Jun 23, 2022**

**Recorded Environmental Cleanup Liens:**

[LIEN](#)

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

**Government Publication Date: Aug 3, 2022**

**Waste Discharge Requirements:**

[WASTE DISCHG](#)

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

**Government Publication Date: Jul 25, 2022**

**Toxic Pollutant Emissions Facilities:**

[EMISSIONS](#)

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

**Government Publication Date: Dec 31, 2020**

**Clandestine Drug Lab Sites:**

[CDL](#)

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/ clandestine drug laboratories.

**Government Publication Date: Jan 19, 2021**

**Tribal**

**No Tribal additional environmental record sources available for this State.**

## **County**

### **Los Angeles County - Santa Monica City Hazardous Materials Facilities:**

[HAZMAT SANTAMON](#)

A list of Hazardous Materials Facilities in the City of Santa Monica, Los Angeles county. This list is made available by Santa Monica Fire Prevention Division which has been designated as the CUPA for the City.

**Government Publication Date: Dec 17, 2021**

### **Los Angeles County - Santa Monica City Hazardous Waste Facilities:**

[HAZ WST SANTAMON](#)

A list of Hazardous Waste Facilities in Los Angeles County, City of Santa Monica. This list is made available by Santa Monica Fire Prevention Division.

**Government Publication Date: Jan 14, 2022**

### **Orange County - Hazardous Waste Facilities:**

[HW ORANGE](#)

A list of Hazardous Waste Facilities in Orange County. This list is made available by Orange County Environmental Health Department.

**Government Publication Date: May 24, 2022**

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

**APPENDIX F**

**Noise and Vibration Technical Memorandum**

**LADWP Haynes Generating Station Recycled Water Pipeline Project**

**December 22, 2023**

**Long Beach Utilities Department/  
Los Angeles Department of Water and Power  
Haynes Generating Station Recycled Water  
Pipeline Project**

**Noise and Vibration  
Technical Memorandum**

**December 22, 2023**

**Lead Agency:**

Long Beach Utilities Department  
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- Appendix A: Noise Monitoring Data Sheets
- Appendix B: Roadway Construction Noise Model Results

## ACRONYMS AND DEFINITIONS

AASHTO	American Association of State Highway and Transportation Officials
CALTRANS	California Department of Transportation
CEQA	California Environmental Quality Act
CML&EC	cement mortar-lined and epoxy-coated
D	distance from the equipment to the receiver
dB	decibel
dBA	A-weighted decibel
DR	dimension ratio
ft	feet
HDPE	high-density polyethylene
HGS	Haynes Generating Station
Hz	hertz
I-405	Interstate 405
in	inch
in/sec	inch(es) per second
km/hr	kilometers per hour
LADWP	Los Angeles Department of Water and Power
Ldn	day-night average sound level
$L_{eq}$	equivalent noise level
LBUD	Long Beach Utilities Department
$L_{max}$	maximum a-weighted sound level
$L_{min}$	minimum a-weighted sound level
$L_x$	noise level that is exceeded x percent of the time
m	meter
MON	Monitoring Number
mph	miles per hour
PPV	peak particle velocity
$PPV_{distance}$	peak particle velocity in inches/second of the equipment adjusted for distance
$PPV_{ref}$	reference vibration level in inches/second at 25 feet
RW	right-of-way
SR 22	State Route 22
VdB	vibration level decibel
WSP	welded steel pipe

## 1 INTRODUCTION

This Noise and Vibration Technical Memorandum has been prepared to analyze the noise and vibration impacts from construction and operation of the proposed Long Beach Utilities Department (LBUD)/Los Angeles Department of Water and Power (LADWP) Haynes Generating Station (HGS) Recycled Water (RW) Pipeline Project (hereafter referred to as "Project").

In this analysis, the following information is provided for the Project: project description; physical setting of the project study area; the regulatory framework for noise and vibration; monitoring data on existing noise environment and evaluation of potential noise and vibration impacts associated with Project construction and operation; and recommended mitigation measures to reduce noise impacts to the extent feasible.

## 2 PROJECT LOCATION AND DESCRIPTION

### 2.1 Project Location

The Project is located southwest of Interstate 405 (I-405) and north of State Route 22 (SR 22) in the southeastern portion of Long Beach, Los Angeles County and the western portion of Seal Beach, Orange County (Figure 1). The Project site encompasses the following roadways: Atherton Street, Studebaker Frontage Road, Studebaker Road, Studebaker Access Road / SR 22 off-ramp, College Park Drive, and SR 22 (Figure 2).

### 2.2 Project Description

The Project would be constructed within previously disturbed areas supporting numerous existing structures and subsurface utilities, City and State roadways, and associated surface improvements (i.e., paving, landscaping, and above-ground utilities).

The purpose of the Project is to install an RW main to serve LADWP's Haynes Generating Station located in the City of Long Beach, California. The Project would provide recycled water to the Haynes Generating Station to meet the needs of the future cooling process and to maximize the use of RW supply.

The Project would include construction of a contiguous RW pipeline composed of six segments of 12- to 24-inch (in) high-density polyethylene (HDPE) as described below and as depicted in Figure 3 (Carollo, 2022):

- Construction – new RW pipelines

A total of six new RW pipeline segments would be constructed within existing roadway right-of-way as follows:

- Within the City of Long Beach, a total of 1.30 miles of RW pipeline would be installed:
  - Segment RW 1-11. This segment would start at the connection with the existing LBUD RW supply pipeline located just immediately west of the intersection of Atherton Street and Studebaker Road. This segment would be constructed south from the intersection within the Studebaker Frontage Road until the road ends in a cul-de-sac (near E Anaheim Road) within the City of Long Beach.
    - Approximately 22 linear feet (ft) of 12-in HDPE Class dimension ratio (DR) 17 pipe, beginning at an existing LBUD 21-in diameter RW pipe within Atherton Street, and terminating within the sidewalk on the southwest corner of Atherton Street and Studebaker Frontage Road within the road's right-of-way.
    - Approximately 2,712 linear ft of 24-in HDPE Class DR 17 pipe, beginning at the sidewalk of Atherton Street and Studebaker Frontage Road within the road's right-of-way, and continuing south along the Studebaker Frontage Road to approximately E Anaheim Road.
  - Segment RW 1-10. This segment would begin at the end of Segment RW 1-11, where Studebaker Frontage Road ends in a cul-de-sac (near E Anaheim Road), and would be constructed within the road's

right-of-way, then would continue within Studebaker Road to the intersection of College Park Drive and Studebaker Access Road / SR 22 off-ramp within the City of Long Beach.

- Approximately 1,440 linear ft of 24-in HDPE Class DR 17 pipe would be constructed.
- Segment RW 1-12. This segment would begin at the end of Segment RW 1-10, near the intersection of College Park Drive and Studebaker Access Road / SR 22 off-ramp and would be constructed within the existing Studebaker Access Road / SR 22 off-ramp ROW to near the intersection of Salida Avenue and College Park Drive within the City of Long Beach.
  - Approximately 1,356 linear ft of 24-in HDPE Class DR 17 pipe would be constructed.
- Segment RW 1-13. This segment would begin at the end of segment RW 1-12, near the intersection of Salida Avenue and College Park Drive, and would be constructed within College Park Drive to the west side of the College Park Drive bridge within the City of Long Beach.
  - Approximately 980 linear ft of 16-in HDPE Class DR 17 pipe would be constructed.
- Within the City of Long Beach and the City of Seal Beach:
  - Segment RW 1-14. This segment would begin at the end of segment RW 1-13, on the west side of the College Park Drive bridge, and would be attached to the north side of the College Park Drive bridge structure adjacent to existing water utilities within the City of Long Beach and the City of Seal Beach.
    - Approximately 337 linear ft of 16-in cement mortar-lined and epoxy-coated (CML&EC) welded steel pipe (WSP) would be attached to the bridge.
- Within the City of Seal Beach, a total of 0.15 miles of RW pipeline would be installed:
  - Segment RW 1-15. This segment would begin at the end of segment RW 1-14, on the east side of the College Park Drive bridge, and would be constructed within an existing paved access road and within College Park Drive, then continue south underneath SR 22 and SR 22 right-of-way to the tie-in on the HGS property within the City of Seal Beach.
    - Approximately 806 linear ft of 16-in HDPE Class DR 17 pipe would be constructed. Of the 806 linear ft, 249 linear ft of pipe would be placed within a 36-in micro-tunnel steel casing. The steel casing would be installed within a new tunnel (36-in diameter and 249 ft long) underneath SR 22. The steel casing would be installed at a depth of approximately 22-32 ft below existing ground (due to the variation in SR 22 elevation) and would require a pit to be dug on either side of SR 22. The receiving pit, dug on the north side of SR 22, would be 20 ft by 36 ft and dug at a depth of 22 ft below existing ground. The launch pit/jacking pit, dug on the south side of SR 22, would be 40 ft by 36 ft and dug at a depth of 21 ft below existing ground.

### 3 NOISE BASICS AND TERMINOLOGY

Sound is a vibratory disturbance created by a moving or vibrating source that is capable of being detected. Noise is defined as sound that is loud, unpleasant, unexpected, or undesired and may, therefore, be classified as a more specific group of sounds. The effects of noise on people can include general annoyance; interference with speech communication; sleep disturbance; and, in the extreme, hearing impairment.

#### 3.1 Decibels and Frequency

In its most basic form, a continuous sound can be described by its frequency or wavelength (pitch) and its amplitude (loudness). Frequency is expressed in cycles per second, or hertz.

Frequencies are heard as the pitch or tone of sound. High-pitched sounds produce high frequencies; low-pitched sounds produce low frequencies. Sound pressure levels are described in units called the decibel (dB).

Decibels are measured on a logarithmic scale that quantifies sound intensity in a manner similar to the Richter scale used for earthquake magnitudes. For example, a doubling of the energy of a noise source, such as doubling of traffic volume, would increase the noise level by 3 dB; a halving of the energy would result in a 3 dB decrease.

Figure 1 – Regional Location Map



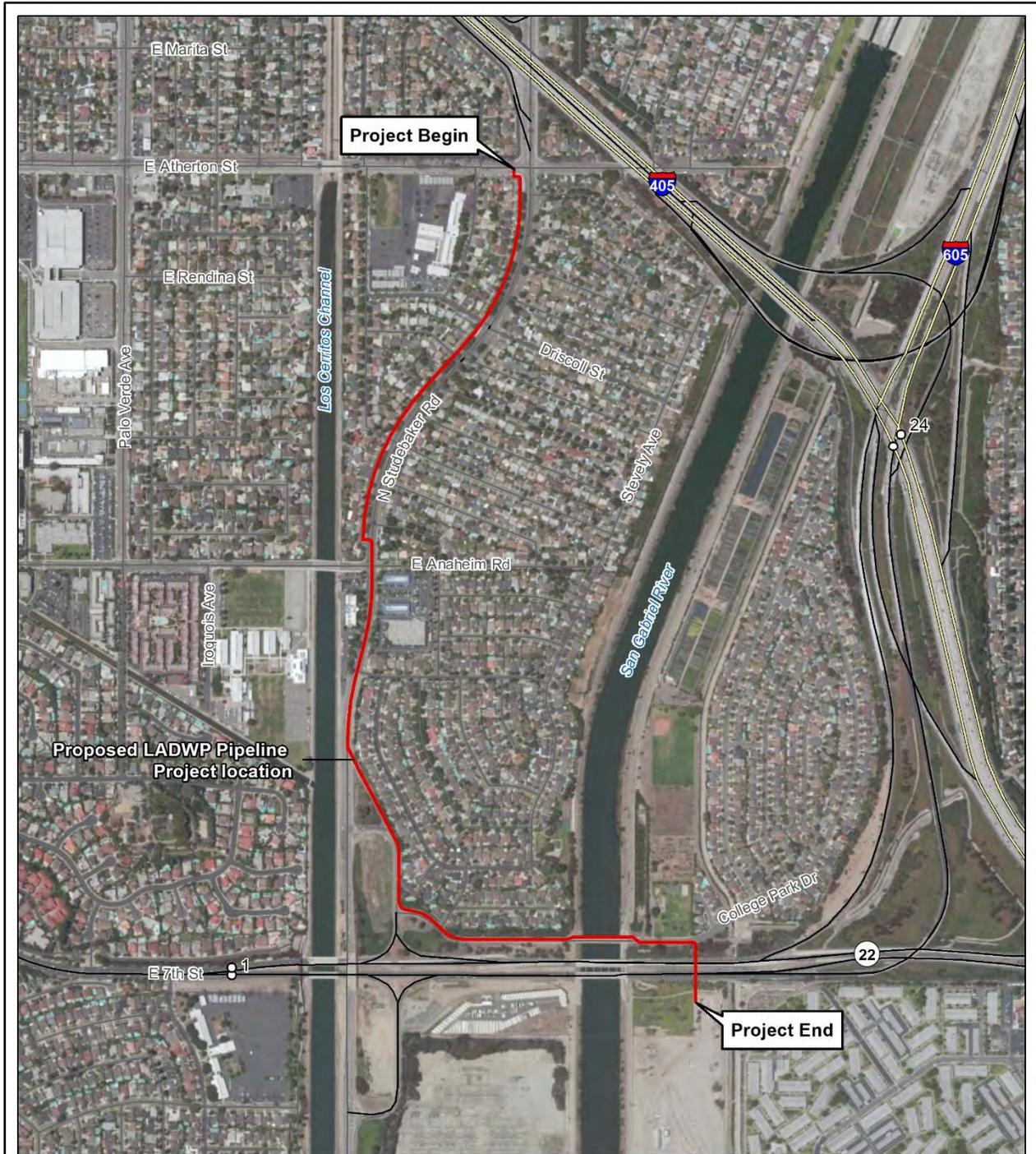
Sources: CALTRANS NHS (2022); CALTRANS Tiger Lines (2019); ESRI World Hillshade (2021).  
 Alignment Source: Carollo, Preliminary Design Report: Updated Figure 2 (2022).

**AZTEC** **TYPSA**

Interstate	Watercourse	City of Long Beach
Local Roads	Project Alignment	City of Seal Beach
County Boundary		City of Los Alamitos
		Rossmoor

Map Disclaimer: This map is intended for general siting purposes only.

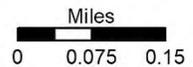
Figure 2 – Project Location Map



Sources: CALTRANS NHS (2013); CALTRANS Tiger Lines (2019); ESRI World Imagery (2021).  
 Alignment Source: Carollo, Preliminary Design Report: Updated Figure 2 (2022).

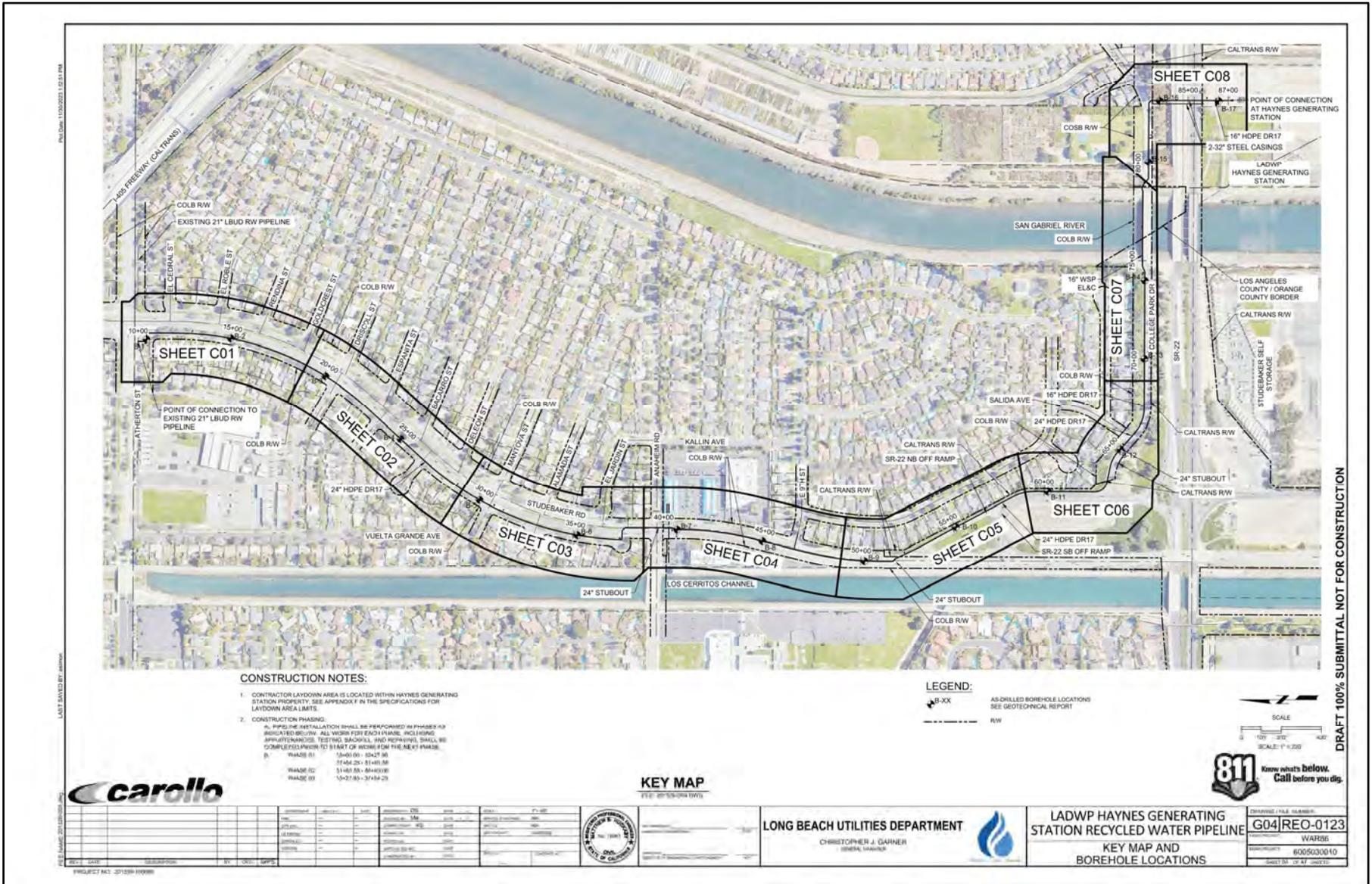


- Mileposts
- State Highway
- Interstate
- Project Alignment



Map Disclaimer: This map is intended for general siting purposes only.

Figure 3 – Proposed Pipeline Alignment – Index Sheet



Source: Draft 100% Design Plans (Carollo, 2022a)

### 3.2 Perception of Noise and A-Weighting

A typical noise environment consists of a base of steady “background” noise that is the sum of many distant and indistinguishable noise sources. Superimposed on this background noise is the sound from individual local sources. The local sources can vary from an occasional aircraft or train passing by, to intermittent periods of sound (such as amplified music), and to virtually continuous noise. An example of sound from a local source is the noise generated by traffic on a major highway.

The human ear is not equally sensitive to all frequencies within the sound spectrum. To accommodate this phenomenon, the A-scale, which approximates the frequency response of the average young ear when listening to most ordinary everyday sounds, was devised. When people make relative judgments of the loudness or annoyance of a sound, their judgments correlate well with the A-scale sound levels of those sounds. Therefore, the “A-weighted” noise scale is used for measurements and standards involving the human perception of noise.

Noise levels using A-weighted measurements are written dB(A) or dBA. The most common sounds vary between 40 dBA (very quiet) to 100 dBA (very loud). Normal conversation at 3 feet is approximately 60 dBA, while loud jet engine noises equate to 110 dBA, which can cause serious discomfort. Table 1 shows the relationship of various noise levels to commonly experienced noise events.

Human perception of noise has no simple correlation with acoustical energy. Due to subjective thresholds of tolerance, the annoyance of a given noise source is perceived very differently from person to person. Two noise sources do not “sound twice as loud” as one source. As stated above, a doubling of noise sources results in a noise level increase of 3 dBA. It is widely accepted that (1) the average healthy ear can barely perceive changes of a 3 dBA increase or decrease; (2) a change of 5 dBA is readily perceptible; and (3) an increase (decrease) of 10 dBA sounds twice (half) as loud (California Department of Transportation [CALTRANS], 2013a).

In community situations, noise exposure and changes in noise levels occur over a number of years, unlike the immediate comparison made in a field study situation. The generally accepted level at which a change in community noise levels becomes “barely perceptible” typically occurs at values greater than 3 dBA. Changes of 5 dBA are defined as “readily perceptible” and 10 dBA is considered twice as loud.

**Table 1. Typical Noise Levels for Common Events**

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	110	Rock Band
Jet Fly-over at 300 m (1,000 ft)	100	
Gas Lawn Mower at 1 m (3 ft)	90	
Diesel Truck at 15 m (50 ft) at 80 km/hr (50 mph)	80	Food Blender at 1 m (3 ft); Garbage Disposal at 1 m (3 ft)
Noisy Urban Area, Daytime Gas Lawn Mower at 30 m (100 ft)	70	Vacuum Cleaner at 3 m (10 ft)
Commercial Area, Heavy Traffic at 90 m (300 ft)	60	Normal Speech at 1 m (3 ft)
Quiet Urban Daytime	50	Large Business Office, Dishwasher in Next Room

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
Quiet Urban Nighttime	40	Theater, Large Conference Room (Background)
Quiet Suburban Nighttime	30	Library
Quiet Rural Nighttime	20	Bedroom at Night, Concert Hall (Background)
	10	Broadcast/Recording Studio
Lowest Threshold of Human Hearing	0	Lowest Threshold of Human Hearing
Notes: dBA: A-weighted decibels; m: meter; ft: feet; km/hr: kilometers per hour; mph: miles per hour Source: CALTRANS, 2013a.		

### 3.3 Noise Propagation

From the source to the receiver, noise changes both in level and frequency spectrum. The most obvious is the decrease in noise level as the distance from the source increases. The manner in which noise reduces with distance depends on many factors.

**Geometric Spreading from Point and Line Sources:** Sound from a small, localized source (approximating a “point” source) radiates uniformly outward as it travels away from the source in a spherical pattern. The sound level attenuates or drops off at a rate of 6 dBA for each doubling of distance (i.e., if the noise level is 70 dBA at 25 feet, it is 64 dBA at 50 feet) for point sources. The movement of the vehicles makes the source of the sound appear to emanate from a line (line source) rather than a point when viewed over some time interval. The sound level attenuates or drops off at a rate of 3 dBA per doubling of distance for line sources.

**Ground Absorption:** To account for ground-effect attenuation (absorption), two types of site conditions are commonly used in noise prediction: hard site and soft site conditions. Hard sites (i.e., sites with a reflective surface between the source and the receiver, such as parking lots or smooth bodies of water) receive no excess ground attenuation, and the changes in noise levels with distance (drop-off rate) are simply the geometric spreading of the source. Soft sites are sites that have an absorptive ground surface (e.g., soft dirt, grass, or scattered bushes and trees) and receive an excess ground attenuation value of 1.5dBA per doubling of distance.

**Atmospheric Effects:** Wind speed will bend the path of sound to “focus” it on the downwind side and make a “shadow” on the upwind side of the source. At short distances, the wind has a minor influence on the measured sound level. For longer distances, the wind effect becomes appreciably greater. Temperature gradients create effects similar to those of wind gradients, except that they are uniform in all directions from the source. On a sunny day with no wind, temperature decreases with altitude, giving a shadow effect for sound. On a clear night, temperature may increase with altitude, focusing sound on the ground surface.

**Shielding by Natural and Man-Made Features, Noise Barriers, Diffraction, and Reflection:** A large object in the path between a noise source and a receiver can significantly attenuate noise levels at that receiver location. The amount of attenuation provided by this “shielding” depends on the size of the object and the frequencies of the noise levels. Natural terrain features (e.g., hills and dense woods) and man-made features (e.g., buildings and walls) can significantly alter noise levels. For a noise barrier to work, it must be high enough and long enough to block the view from the receiver to a road or to the noise source. Effective noise barriers can reduce noise levels by up to 15 dBA.

### 3.4 Noise Descriptors

Several rating scales (or noise “metrics”) exist to analyze effects of noise on a community. These scales include the equivalent noise level ( $L_{eq}$ ), the community noise equivalent level, and the day-night average sound level (Ldn). Average noise levels over a period of minutes or hours are usually expressed as dBA  $L_{eq}$ , which is the equivalent noise level for the designated period of time. The period of time averaging may be specified;  $L_{eq}(3)$  would represent a three-hour average. When no period is specified, a one-hour average is assumed. It is important to understand that noise of short duration (i.e., substantially less than the time averaging period) is averaged into ambient noise during the period of interest. Thus, a loud noise lasting many seconds or a few minutes may have minimal effect on the measured sound level averaged over a one-hour period.

Several statistical descriptors are also often used to describe noise, including  $L_{max}$ ,  $L_{min}$ , and  $L_x$ . The highest and lowest A-weighted sound levels that occur during a noise event are  $L_{max}$  and  $L_{min}$  respectively. The statistical descriptor  $L_x$  signifies the noise level that is exceeded x percent of the time; for example,  $L_{10}$  denotes the A-weighted sound level that was exceeded 10 percent of the time.

When the noise level of specific noise source is described by the **sound pressure level** in decibels (dB), as discussed in Section 3.1, a distance is required as is the decibel level to a complete noise-level description. For example, the noise level of a motor may be 75 dBA at a distance of 7 meters.

Other descriptors may be used to describe a noise source and are used in this analysis. **Sound power level** is typically used to describe air conditioner noise levels. Sound power describes the total sound energy emitted by a source, also in decibels; sound power does not change with distance. **Sones** are typically used to describe fan noise. The sone is a measure of loudness and was developed based on human judgment of relative loudness.

## 4 VIBRATION BASICS AND TERMINOLOGY

Vibration is the periodic movement of mass over time. Vibration generated by construction activity has the potential to damage structures. This damage could be structural damage (e.g., cracking of floor slabs, foundations, columns, beams, or walls) or cosmetic architectural damage (e.g., cracked plaster, stucco, or tile).

Ground vibration can be annoying to people. The primary effect of perceptible vibration is often a concern. However, secondary effects, such as the rattling of a china cabinet, can also occur, even when vibration levels are well below perception. Any effect (primary perceptible vibration, secondary effects, or a combination of the two) can lead to annoyance. The degree to which a person is annoyed depends on the activity in which they are participating at the time of the disturbance. For example, someone sleeping or reading will be more sensitive than someone who is running on a treadmill. Reoccurring primary and secondary vibration effects often lead people to believe that the vibration is damaging their home, although vibration levels are well below minimum thresholds for damage potential (CALTRANS, 2013b).

### 4.1 Vibration Descriptors

Vibration is described in terms of frequency and amplitude. The frequency of a vibrating object describes how rapidly it is oscillating. The number of cycles per second of oscillation is the vibration frequency, which is described in terms of hertz (Hz). The normal frequency range of most ground-borne vibration that can be felt generally starts from a low frequency of less than 1 Hz to a high of about 200 Hz.

While, unlike sound, there is no standard way of measuring and reporting amplitude, the peak particle velocity (ppv) is defined as the maximum instantaneous positive or negative peak of the vibration signal, usually measured in inches per second (in/sec). Since it is related to the stresses that are experienced by buildings, ppv is often used in monitoring blasting vibration and the vibration of heavy construction equipment

Vibration levels are usually expressed as a single-number measure of vibration magnitude, in terms of velocity or acceleration, that describes the severity of the vibration without the frequency variable. Vibration is also described in decibel units, written as VdB to distinguish vibration level decibels from noise level decibels.

## 4.2 Vibration Propagation

Vibration energy spreads out as it travels through the ground, causing the vibration level to diminish with distance away from the source. High-frequency vibrations reduce much more rapidly than low frequencies; therefore, low frequencies tend to dominate the spectrum at large distances from the source. Discontinuities in the soil strata can also cause diffractions or channeling effects that affect the propagation of vibration over long distances.

When vibration encounters a building, a ground-to-foundation coupling loss will usually reduce the overall vibration level. However, under certain circumstances, the ground-to-foundation coupling may also amplify the vibration level due to structural resonances of the floors and walls.

## 4.3 Vibration Sources and Responses

Construction vibration is generally associated with pile driving and rock blasting. However, large bulldozers, vibratory compactors, and loaded trucks can cause perceptible vibration levels at close proximity.

Long-term vibration in environmental analysis is usually associated with rail and transit operations but can also occur with some machinery applications.

## 5 REGULATORY SETTING

This section provides an overview of the City of Long Beach and City of Seal Beach regulations related to noise issues applicable to the project.

No maximum vibration levels are listed in the City of Long Beach and City of Seal Beach regulations. In the absence of city regulations, CALTRANS and American Association of State Highway and Transportation Officials (AASHTO) criteria are included in this section and used as the basis for acceptable levels of ground-borne vibration.

### 5.1 City of Long Beach Noise Standards

#### 5.1.1 Noise Element of the General Plan

The goals and policies contained in the City of Long Beach General Plan Noise Element address noise in relation to land use planning, the noise environment, transportation noise, construction and industrial noise, population and housing noise, and public health and safety (City of Long Beach, 2023). The criteria for sensitive receivers are summarized in Table 2.

**Table 2. Recommended Criteria for Maximum Acceptable Noise Levels**

Major Land Use Type	Outdoor			Indoor
	Maximum Single Hourly Peak	L10 <sup>1</sup>	L50 <sup>2</sup>	Ldn
Residential (7 a.m. to 10 p.m.)	70	55	45	45
Residential (10 p.m. to 7 a.m.)	60	45	35	35
Commercial (anytime)	75	65	55	—
Industrial (anytime)	85	70	60	—

Notes:  
<sup>1</sup> L10=noise level exceeded 10 percent of the time during a stated period.  
<sup>2</sup> L50=median noise level

**5.1.2 Municipal Code**

The City of Long Beach Municipal Code (Section 8.80) regulates the generation of noise and vibration within the City of Long Beach. The Municipal Code also exempts certain construction activities that occur within the city’s limits. Specifically, Section 8.80.330 states:

“The provision of this Chapter shall not apply to construction maintenance and repair operations conducted by public agencies and/or utility companies or their contractors which are deemed necessary to serve the best interests of the public and to protect the public health, welfare and safety, including electrical services, repairing traffic signals, unplugging sewers, vacuuming catch basins repairing of damaged poles, removal of abandoned vehicles, repairing of water hydrants and mains, gas lines, oil lines, sewers, storm drains, roads, sidewalks, etc.”

Therefore, Project construction activities would be exempt from the City of Long Beach Municipal Code requirements.

In addition, Section 8.80 of the City of Long Beach Municipal Code also establishes exterior and interior noise restrictions for the generation of sound within the City of Long Beach. The maximum noise levels vary based on the receiving land use type and the cumulative duration of noise.

**Exterior Noise Restrictions**

The City of Long Beach Municipal Code (Section 8.80.150) establishes exterior noise restrictions by receiving land use. The exterior noise restrictions are summarized in Table 3 and include the following:

“No person shall operate or cause to be operated any source of sound at any location within the incorporated limits of the city or allow the creation of any noise on property owned, leased, occupied, or otherwise controlled by such person, which causes the noise level when measured from any other property, either incorporated or unincorporated, to exceed:

1. The noise standard for that land use district as specified in Table 3 for a cumulative period of more than 30 minutes in any hour; or
2. The noise standard plus 5 decibels for a cumulative period of more than 15 minutes in any hour; or
3. The noise standard plus 10 decibels for a cumulative period of more than 5 minutes in any hour; or
4. The noise standard plus 15 decibels for a cumulative period of more than 1 minute in any hour; or
5. The noise standard plus 20 decibels or the maximum measured ambient, for any period of time.”

**Table 3. City of Long Beach Exterior Noise Restrictions**

Receiving Land Use District	Time Period	Noise Level (dBA)	L <sub>max</sub> (dBA)
District One	Night (10 p.m. to 7 a.m.)	45	65
	Day (7 a.m. to 10 p.m.)	50	70
District Two	Night (10 p.m. to 7 a.m.)	55	75
	Day (7 a.m. to 10 p.m.)	60	80
District Three	Any time	65	85
District Four	Any time	70	90

District Five	Regulated by other agencies and laws
Notes: District One: Predominantly residential with other land use types also present District Two: Predominantly commercial with other land use types also present District Three and Four: Predominantly industrial with other land use types also present District Five: Airports, freeways, and waterways regulated by other agencies District Three and Four limits are intended primarily for use at their boundaries rather than for noise control within those districts dBA=A-weighted decibel; L <sub>max</sub> = maximum A-weighted sound level	

**Interior Noise Restrictions**

The City of Long Beach Municipal Code (Section 8.80.170) establishes interior noise restrictions by receiving land use. The interior noise restrictions are summarized in Table 4 and include the following:

“No person shall operate, or cause to be operated, any source of sound indoors at any location within the incorporated limits of the city or allow the creation of any indoor noise which causes the noise level when measured inside the receiving dwelling unit to exceed:

1. The interior noise standard for that land use district, as specified in Table 4, for a cumulative period of more than 5 minutes in any hour; or
2. The interior noise standard plus 5 dBA for a cumulative period of more than 1 minute in any hour; or
3. The interior noise standard plus 10 dBA or the maximum measured ambient, for any period of time.”

If the measured indoor ambient level exceeds that permissible within any of the first two noise limit categories, the allowable noise exposure standard shall be increased in five decibel increments in each category as appropriate to reflect the indoor ambient noise level. In the event the indoor ambient noise level exceeds the third noise limit category, the maximum allowable indoor noise level under said category shall be increased to reflect the maximum indoor ambient noise level.”

**Table 4. City of Long Beach Interior Noise Restrictions**

Receiving Land Use District	Type of Land Use	Time Interval	Allowable Interior Noise Level (dBA)
All	Residential	10 p.m. to 7 a.m.	35
		7 a.m. to 10 p.m.	45
All	School	7 a.m. to 10 p.m. (while school is in session)	45
Hospital, designated quiet zones, and noise sensitive zones	—	Any time	40
Notes: dBA=A-weight decibel			

**Construction Noise Restrictions**

The City of Long Beach Municipal Code (Section 8.80.202) restricts construction activities to weekdays between 7:00 a.m. and 7:00 p.m. and Saturdays between 9:00 a.m. and 6:00 p.m., except for emergency work. Construction work

on Sundays is prohibited unless the City of Long Beach's Noise Control Officer issues a permit. The permit may allow work on Sundays between 9:00 a.m. and 6:00 p.m.

### **Loading and Unloading Noise Restrictions**

The City of Long Beach Municipal Code (Section 8.80.200[E]) states that loading, unloading, opening, closing, or other handling of boxes, crates, containers, building materials, garbage cans, or similar objects between 10:00 p.m. and 7:00 a.m. is restricted to the noise level provisions shown in Table 3 and Table 4.

## **5.2 City of Seal Beach Noise Standards**

### **5.2.1 Noise Element of the General Plan**

The Seal Beach General Plan considers the most sensitive land use as residential development, with a typical noise exposure limit of up to 65 dBA. Applicable noise standards for construction noise and construction hours within City of Seal Beach limits are 7:00 a.m. to 8:00 p.m. Mondays through Fridays and 8:00 a.m. to 8:00 p.m. on Saturdays (City of Seal Beach, 2003).

### **5.2.2 Municipal Code**

The City of Seal Beach Municipal Code (Section 7.15) regulates the generation of noise and vibration within the City of Seal Beach. The Municipal Code also exempts certain activities that occur within the city's limits. Specifically, Section 7.15.025[E] and [F]) exempts the following activities from the city's noise provisions:

- "E. Noise associated with construction, repair, remodeling or grading of real property performed in the following periods: between 7:00 a.m. and 8:00 PM on weekdays; and between 8:00 a.m. and 8:00 p.m. on Saturday. and never on Sundays or city observed federal holidays.
- F. Noise associated with real property maintenance performed in the following periods: between 7:00 a.m. and 8:00 p.m. on weekdays; between 8:00 a.m. and 8:00 p.m. on Saturday; and between 9:00 a.m. and 8:00 p.m. on Sunday or a holiday."

Therefore, Project construction activities are limited to the allowable time windows listed above.

In addition, Section 7.15 of the City of Seal Beach Municipal Code also establishes exterior and interior noise restrictions for the generation of sound within the City of Seal Beach. The maximum noise levels vary based on the receiving land use type and the cumulative duration of noise.

### **Exterior Noise Restrictions**

The City of Seal Beach Municipal Code (Section 7.15.015) establishes exterior noise restrictions by receiving land use. The exterior noise restrictions are summarized in Table 5 and include the following:

"No person shall create any noise, or allow the creation of any noise, on property owned or occupied by such person when such noise causes the noise level to exceed the following when measured from a residential property:

1. The exterior noise standard for a cumulative period of more than 30 minutes in any hour; or
2. The exterior noise standard plus 5 dBA for a cumulative period of more than 15 minutes in any hour; or
3. The exterior noise standard plus 10 dBA for a cumulative period of more than 5 minutes in any hour; or
4. The exterior noise standard plus 15 dBA for a cumulative period of more than 1 minute in any hour; or
5. The exterior noise standard plus 20 dBA for any period of time.

In the event the ambient noise level exceeds any of the first four noise limit categories listed above, the cumulative period shall be increased to reflect that ambient level. In the event the ambient noise level exceeds the fifth noise limit category, the maximum allowable noise level shall be increased to reflect the maximum ambient noise level (City of Seal Beach Municipal Code, Section 7.15).”

**Table 5. City of Seal Beach Exterior Noise Standards**

Noise Zone	Time Period	Noise Level (dBA)
1	Day (7 a.m. to 10 p.m).	55
	Night (10 p.m. to 7 a.m.)	50
2	At any time	65
3	At any time	70
Notes: Noise Zone 1: Residential properties Noise Zone 2: Commercial properties Noise Zone 3: Industrial, manufacturing and oil properties dBA=A-weighted decibel		

**Interior Noise Restrictions**

The City of Seal Beach Municipal Code (Section 7.15.020) establishes interior noise restrictions by receiving land use. The interior noise restrictions are summarized in Table 6 and include the following:

“No person shall create any noise, or allow the creation of any noise, on property owned or occupied by such person when such noise causes the noise level to exceed the following when measured from another dwelling unit on residential property:

1. The interior noise standard for a cumulative period of more than 5 minutes in any hour; or
2. The interior noise standard plus 5 dBA for a cumulative period of more than 1 minute in any hour; or
3. The interior noise standard plus 10 dB or the maximum measured ambient, for any period of time.

In the event the ambient noise level exceeds either of the first 2 noise limit categories in subsection B, the cumulative period applicable to such category shall be increased to reflect that ambient level. In the event the ambient noise level exceeds the third noise limit category, the maximum allowable noise level under such category shall be increased to reflect the maximum ambient noise level.”

**5.3 State and Federal Vibration Standards**

**5.3.1 Vibration Annoyance Standards**

Ground-borne noise is the vibration of floors and walls that may cause rattling of items, such as windows or dishes on shelves, or a rumbling noise. The rumbling is created by the motion of the room surfaces, which act as a giant loudspeaker. CALTRANS provides criteria for acceptable ground-borne vibration levels based on the relative perception of a vibration event for vibration-sensitive land uses (Table 7).

**Table 6. City of Seal Beach Interior Noise Restrictions**

Noise Zone	Time Interval	Noise Level (dBA)
1	7 a.m. to 10 p.m.	55
	10 p.m. to 7 a.m.	50
Notes: dBA=A-weighted decibel		

**Table 7. Human Response to Transient Vibration**

Average Human Response	ppv (in/sec)
Severe	2.000
Strongly perceptible	0.900
Distinctly perceptible	0.240
Barely perceptible	0.035

Source: CALTRANS, 2013b

### 5.3.2 Vibration-related Structural Damage Standards

According to CALTRANS, the threshold for structural vibration damage for modern structures is 0.5 inches per second (in/sec) for intermittent sources, which include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment (CALTRANS, 2013b).

AASHTO (1990) identifies maximum vibration levels for preventing damage to structures from intermittent construction or maintenance activities for residential buildings in good repair with gypsum board walls to be 0.4 to 0.5 in/sec. The damage threshold criterion of 0.2 in/sec is appropriate for fragile buildings.

For the purpose of this analysis, because adjacent residences can be older and may be fragile, the 0.2 in/sec damage threshold for older fragile buildings is used as a very conservative evaluation criteria. Below 0.2 in/sec there is virtually no risk of building damage.

## 6 EXISTING NOISE ENVIRONMENT

### 6.1 Surrounding and Noise-Sensitive Land Uses

Certain land uses are considered more sensitive to noise than others. Examples of these types of land uses include residential areas, educational facilities, hospitals, childcare facilities, and senior housing.

In Long Beach, from the Studebaker Frontage Road to Anaheim Road, single family residences are located adjacent to the Project. South of Anaheim Road to E 9<sup>th</sup> Street commercial properties and parking lots are located adjacent to the Project on the east and west side of Studebaker Road. South of E 9<sup>th</sup> Street, single family residences are located adjacent to the Project on the eastern side of Studebaker Road, Studebaker Access Road / SR 22 off-ramp, and on the northern side of College Park Drive. The College Park Drive bridge crosses the San Gabriel River and into Seal Beach.

In Seal Beach, Edison Park is located north of College Park Drive east of College Park Drive bridge and west of the proposed tunnelling location under SR 11. South of the SR 22 ROW, the Project would be located within the HGS-owned industrial property.

The majority of the land use in the project area, within the City of Long Beach, is residential. The closest residences to the project site are the homes along the SR 22 off-ramp to Studebaker Road, approximately 15 feet from the residential privacy walls to the pipeline alignment.

**Table 8. Guideline Vibration Damage Potential Threshold Criteria**

Structure and Condition	Maximum ppv (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.20	0.10
Historic and some old buildings	0.50	0.25
Older residential structures	0.50	0.30
New residential structures	1.00	0.50
Modern industrial/commercial buildings	2.00	0.50
Notes: ppv: peak particle velocity; in/sec: inch(es) per second. Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment. Source: CALTRANS, 2013b.		

### 6.3.1 Noise Sources

The primary off-site noise sources in the project area, within the City of Long Beach and Seal Beach, include traffic on Studebaker Road, SR 22, and associated local streets. Other off-site sources include occasional aircraft overflights and typical residential noise (e.g., air conditioners and barking dogs). Background ambient noise is dominated by traffic noise sources.

### 6.2 Existing Noise Levels

Noise monitoring was conducted on January 11, 2023, at six different locations in the project area to document existing noise conditions. Each location was monitored for 15 minutes. Weather conditions (temperature, relative humidity, wind speed and direction, and sky condition) were documented. Five monitoring sites are located within the City of Long Beach and one monitoring site is located within the City of Seal Beach, as shown in Figure 4.

A Larson Davis LxT sound level meter, which complies with American National Standards Institute S1.4 and Type I Standards, was used to collect the sound measurements. The monitoring results are summarized in Table 9.

The monitored noise levels represent the existing baseline noise condition within the project area during daytime hours. The average ambient noise levels from the monitoring measurements ranged from 58 dBA to 74 dBA. The lowest monitored noise level was recorded from site MON-6 and the highest monitored noise level was recorded from site MON-3. Detailed noise level monitoring information is included in Appendix A of this report.

**Figure 4 – Monitoring Site Locations**



Basemap: GoogleEarth (Imagery Date: 10/8/2021)

**Table 9. Noise Level Measures – Monitoring Results Summary**

Monitor Number (MON)	Address/Description	Day/Time	Monitoring Result Leq, dBA
1	Sidewalk near residence at 1625 Studebaker Rd	Jan 11/ 9:09-9:24 AM	64
2	Sidewalk near residence at 1429 Studebaker Rd	Jan 11/ 9:32-9:47 AM	65
3	Sidewalk near residence at 6705 Anaheim Road	Jan 11/ 9:56-10:11 AM	74
4	Behind the backyard privacy wall near residence at 833 Lees Avenue	Jan 11/ 10:19-10:34 AM	69
5	Behind the backyard privacy wall near 6860 Septimo Street	Jan 11/ 10:45-11:00 AM	63
6	20 feet from the roadway in Edison Park	Jan 11/ 11:07-11:22 AM	58

### 6.3 Aircraft Noise

The closest public airport to the Project is Long Beach Airport (4100 Donald Douglas Dr, Long Beach), located approximately 2.5 miles northwest of the Project. There are no private airstrips, heliports, or helistops in the vicinity of the Project site. The Project construction and operation would not generate aircraft noise, nor would it result in persons (e.g., construction or operations crew members) being located in an area where they would be exposed to excessive aircraft noise levels.

## 7 IMPACT ANALYSIS

Potential noise sensitive receptors were selected for noise modeling of the residential areas, in Long Beach, and Edison Park, in Seal Beach.

High resolution aerial photography, Google Street view photos, and proposed site layouts were analyzed to determine the presence of potential noise sensitive receptors. No schools, childcare centers, medical centers, or other types of noise sensitive receptors were observed in the immediate project vicinity.

The selected noise sensitive receptors to be modeled as noise receivers in the noise model are shown in Figure 5.

**Figure 5 – Sensitive Noise Receptors**



*Basemap: GoogleEarth (Imagery Date: 10/8/2021)*

### 7.1 Analysis Methodology

Pipeline projects are considered “linear” projects as construction is within a specific area for a brief time period and moves as work continues along the alignment.

Construction noise levels would vary at any given sensitive receptor depending on the construction phase, equipment type, duration of use, distance between the noise source and receptor, and the presence or absence of noise barriers between the noise source and receptor. For this analysis, construction noise levels were estimated for proposed daytime construction without the presence of noise barriers (i.e., a conservative approach taken).

The nearby sensitive residential receptors would likely experience a temporary/periodic increase above ambient noise levels during construction of the linear project. Construction noise would be unavoidable, though the anticipated noise would be temporary and limited to the duration of the construction in any one location along the alignment. These temporary noise impacts would cease once construction of each pipeline section is completed and construction has moved to the next location along the alignment.

Quantitatively, the primary noise prediction equation is expressed as follows for the hourly average noise level ( $L_{eq}$ ) at distance D between the source and receiver (dBA):

$$L_{eq} = L_{max} @ 50' - 20 \log (D/50') + 10 \log (U.F.\%/100) - I.L.(bar) \text{ Where:}$$

$L_{max} @ 50'$  is the published reference noise level at 50 feet

U.F.% is the usage factor for full power operation per hour I.L.(bar) is the insertion loss for intervening barriers

The SoundPLAN® computer noise model was used for calculating noise levels of the existing traffic noise from Studebaker Road and SR 22, as well as associated off-ramps. An industry standard, SoundPLAN® was developed by Braunstein + Berndt GmbH to provide estimates of sound levels at distances from specific noise sources while considering the effects of terrain features, including relative elevations of noise sources, receivers, and intervening objects, and ground effects due to areas of hard ground (pavement, water) and soft ground (grass, field, forest). In addition to computing sound levels at specific receiver positions, SoundPLAN® can produce noise contour graphics that show areas of equal and similar sound level.

## 7.2 Construction Noise Analysis

Project construction is expected to commence in June of 2025 and be completed in December of 2026. The noisiest phase of construction would be the pavement removal phase due to the potential simultaneous use of three pieces of construction equipment.

The project construction schedule, including duration and equipment inventory, is shown in Table 10.

**Table 10. Construction Phase Breakdown and Equipment Inventory**

Activity	Duration	Equipment	Quantity
Site Preparation	June 2025 – December 2026	Backhoe	1
		Excavator	1
Pavement Removal/Replacement	June 2025 – December 2026	Cold Planner	1
		Dump Truck	1
		Excavator	1
Pipeline Installation	June 2025 – December 2026	Backhoe	1
		Excavator	1
Paving	June 2025 – December 2026	Dump Truck	1
		Asphalt paver	1
		Roller-compactor	1

Typical construction equipment type that would be used and their maximum noise levels at 50 feet are shown in Table 11.

Roadway Construction Noise Model was used to predict construction noise levels. The predicted maximum and average construction noise levels for all selected sensitive receptors under the worst-case scenario are shown in Table 12. Detailed construction noise calculations are included in Appendix B of this report.

**Table 11. Equipment Noise Emission Reference Levels and Usage Factors**

Equipment Type	Acoustical Use Factor (%)	Typical Maximum Noise Levels at 50 feet (dBA)
Backhoe	40	80
Crane	16	85
Dozer	40	85
Excavator	40	85
Flat Bed Truck	40	84
Forklift	40	80
Front End Loader	40	80
Generator	50	82
Grader	40	85
Pickup Truck	40	55
Pile Driver	20	95
Roller	20	85
Scraper	40	85
Soil Mix Drill Rig	50	80
Tractor	40	84
Water Truck	40	80
Notes: Acoustical use factor is the ratio of the time that a piece of equipment is in use to the total time that it could be in use. Source: Federal Highway Administration (FHWA), 2006.		

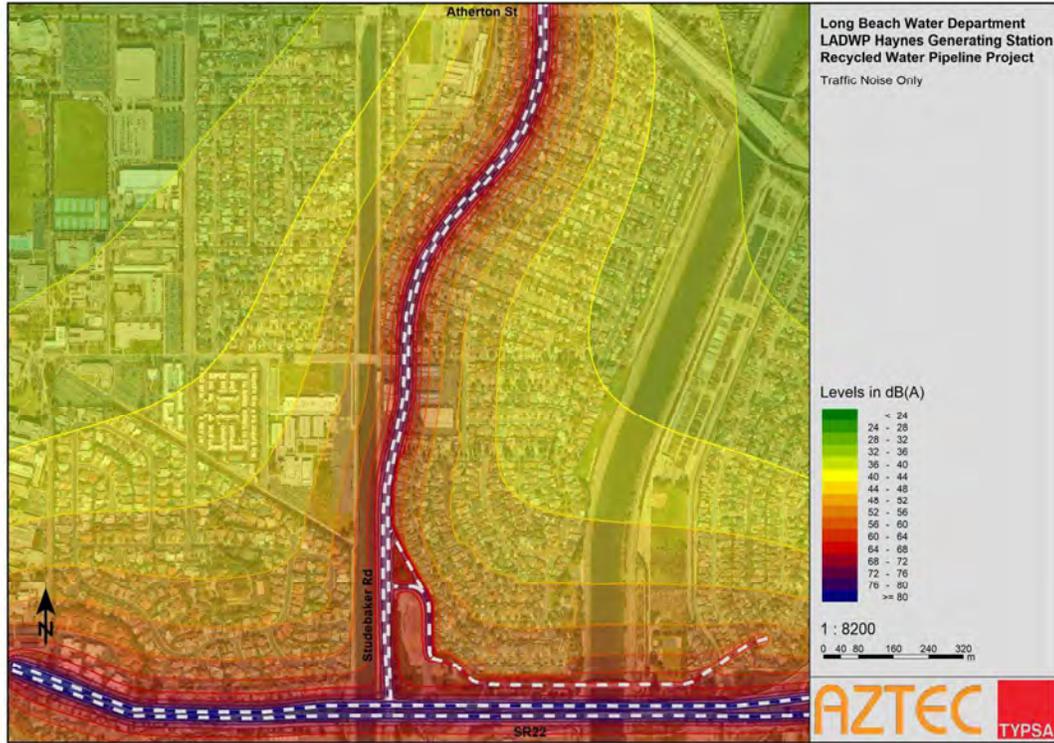
As can be seen, construction noise from the pavement removal phase would be the loudest, the  $L_{max}$  ranges from 72.5 dBA to 83.6 dBA, and the  $L_{eq}$  ranges from 70.8 dBA to 81.9 dBA for 11 modeled receivers. In addition, SoundPLAN® was used to calculate the existing traffic noise levels. The ambient noise within the project area is dominated by roadway traffic noise. The existing traffic noise contour map is provided in Figure 6 and noise level increases between the loudest construction phase and ambient traffic noise are shown in Table 13. Project construction would increase noise levels by 7.7 dBA to 20.0 dBA over existing ambient traffic noise.

To adhere to the City of Long Beach Municipal Code (Section 8.80.150), Project construction exterior noise levels were increased based on the measured ambient levels, shown in Table 13. Thus, the construction noise levels would be above exterior allowable noise levels by 5.8 dBA to 14.0 dBA depending on the locations of the receptors.

To limit construction noise impacts to sensitive uses, the mitigation measure (N-1) is proposed to maintain acceptable noise levels and is provided below. With implementation of these mitigation measures, the Project's construction noise impacts would be less than significant.

- N-1** Construction activities shall be limited to the hours of 7:00 a.m. and 7:00 p.m. on Monday through Friday. No construction shall be conducted on Saturdays, Sundays and City holidays unless otherwise approved by The Board of Water Commissioners of the City of Long Beach. If approved, construction activities on those days would be limited to the hours of 9:00 AM to 6:00 PM. All construction equipment shall use properly operating mufflers.

**Figure 6 – Existing Traffic Noise Map**



Basemap: GoogleEarth (Imagery Date: 10/8/2021)

**Table 12. Construction Equipment Noise Levels**

ID	Site Preparation		Pavement Removal		Pipeline Installation		Paving	
	L <sub>max</sub>	L <sub>eq</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>max</sub>	L <sub>eq</sub>
R1	78.4	76.2	81.3	79.7	78.4	76.2	81.0	77.1
R2	70.3	68.1	73.2	71.6	70.3	68.1	72.9	69.0
R3	80.7	78.4	83.6	81.9	80.7	78.4	83.2	79.4
R4	69.6	67.3	72.5	70.8	69.6	67.3	72.1	68.2
R5	77.8	75.5	80.7	79.0	77.8	75.5	80.3	76.4
R6	79.1	76.9	82.0	80.3	79.1	76.9	81.6	77.8
R7	72.4	70.2	75.3	73.7	72.4	70.2	75.0	71.1
R8	75.8	73.6	78.7	77.0	75.8	73.6	78.3	74.5
R9	75.6	73.4	78.5	76.8	75.6	73.4	78.1	74.3
R10	69.6	67.3	72.5	70.8	69.6	67.3	72.1	68.2
R11	77.8	75.5	80.7	79.0	77.8	75.5	80.3	76.4

**Table 13. Construction Noise Increase Over Allowable Noise Levels**

ID	Pavement Removal		Traffic Noise	Allowable Noise levels	Noise Level Increase
	L <sub>max</sub>	L <sub>eq</sub>	L <sub>eq</sub>	L <sub>eq</sub>	L <sub>eq</sub>
R1	81.3	79.7	62.6	65	14.7
R2	73.2	71.6	63.9	65	6.6
R3	83.6	81.9	63.6	65	16.9
R4	72.5	70.8	61.8	65	5.8
R5	80.7	79.0	62.9	65	14.0
R6	82.0	80.3	67.0	70	10.3
R7	75.3	73.7	63.0	65	8.7
R8	78.7	77.0	57.6	65	12.0
R9	78.5	76.8	56.8	65	11.8
R10	72.5	70.8	54.7	65	5.8
R11	80.7	79.0	60.8	65	14.0

Notes:  
When determining the allowable noise levels, a 6 dBA noise reduction was assumed for privacy walls.

Within the City of Seal Beach’s Municipal Code, exterior and interior noise restrictions only apply to residential, commercial, and industrial properties. The Project would be constructed within ROW and near open space / recreation (i.e., Edison Park) land; thus, the noise provisions of the municipal code do not apply and construction noise levels would be within allowable exterior noise levels.

### 7.3 Construction Vibration Analysis

According to CALTRANS, the threshold for structural vibration damage for modern structures is 0.5 in/sec for intermittent sources, which include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment. The damage threshold criterion of 0.2 in/sec is appropriate for fragile buildings.

For the purpose of this analysis, because adjacent residences can be older, the 0.2 in/sec damage threshold for older fragile buildings is used as a very conservative evaluation criterion. Below this level, there is virtually no risk of building damage. Table 14 shows the predicted vibration levels generated by construction equipment.

**Table 14. Estimated Vibration Levels During Construction**

Equipment	PPV at 25 ft (in/sec)	PPV at 50 ft	PPV at 75 ft	PPV at 100 ft
Large bulldozer	0.089	0.031	0.017	0.011
Loaded trucks	0.076	0.027	0.015	0.010
Jackhammer	0.035	0.012	0.007	0.004
Small bulldozer	0.003	0.001	0.001	<0.001

Source: Federal Transit Administration, 2018.

The calculation to determine PPV at a given distance is:

$$PPV_{\text{distance}} = PPV_{\text{ref}} * (25/D)^{1.5}$$

Where:

$PPV_{\text{distance}}$  = the peak particle velocity in inches/second of the equipment adjusted for distance,  $PPV_{\text{ref}}$  = the reference vibration level in inches/second at 25 feet, and  $D$  = the distance from the equipment to the receiver.

The nearest receptors to the Project would be the single-family homes along the SR 22 off-ramp to Studebaker Road, within the City of Long Beach. In terms of the classifications in Table 8, these structures are “older residential structures”. Therefore, the criterion for a significant impact for continuous/frequency intermittent sources is 0.3 ppv in/sec.

Similar to structural damage from vibration, there are no applicable standards within the City of Long Beach or the City of Seal Beach Municipal Codes for human annoyance from construction vibration. The CALTRANS vibration annoyance potential guideline thresholds are shown in Table 7. Based on the guidance in Table 7, the “distinctly perceptible” vibration level of 0.24 ppv in/sec is used in this analysis as the threshold for a potentially significant vibration impact for human annoyance.

The vibration level for a loaded truck at the closest receptor at a distance of 15 feet would be 0.16 ppv in/sec. The vibration level, therefore, would be below the criterion for a significant impact for continuous/frequency intermittent sources of 0.3 ppv in/sec. In addition, the vibration level would be below the criterion for annoyance of 0.24 ppv in/sec. Therefore, the construction vibration impact would be less than significant level.

#### **7.4 Operation Noise and Vibration**

During operation, the Project would not generate noise and vibration.

Noise and vibration from Project maintenance activities would not contribute noticeably to the nearest Project sensitive receptors as the maintenance activities are similar to the background traffic noise characteristics. As a result, noise and vibration impact during the Project’s operation would be less than significant.

### **8 CONCLUSION**

The Project’s construction noise levels would be above allowable exterior noise levels by 5.8 to 19.0 dBA. Implementation of MM N-1 would minimize construction noise levels within the City of Long Beach, limit sensitive receptor (residential properties) exposure to construction noise to allowable times, and ensure compliance with the City of Long Beach noise ordinance. Thus, construction of the Project would result in less than significant impact to noise within the City of Long Beach with the mitigation measure incorporated.

The Project’s maintenance noise levels would be similar to ambient traffic noise; thus, maintenance would be a negligible increase in noise levels to sensitive receptors. The day/time restrictions within the City of Long Beach’s municipal code do not apply to construction maintenance and repair operations. Therefore, maintenance associated with the pipeline would comply with City of Long Beach noise ordinances.

The Project construction and operation vibration levels would be 0.16 ppv in/sec, which would be below AASHTO and Caltrans vibration thresholds for annoyance and significant impact for continuous/frequency intermittent sources. Thus, the operation of the Project would result in less than significant impact to vibration levels.

The City of Seal Beach’s municipal code exempts construction and maintenance related activities from the City of Seal Beach noise provisions, and the exterior and interior noise restrictions for the city only apply to residential, commercial, and industrial properties. The Project would be constructed within ROW and near open space / recreation (i.e., Edison Park) land; therefore, the noise provisions of the City of Seal Beach municipal code do not apply. However, implementation of MM N-1 would minimize construction noise levels within the City of Seal Beach

and limit sensitive receptor (Edison Park) exposure to construction noise to allowable times. Thus, construction of the Project would result in less than significant impact to noise within the City of Seal Beach with the mitigation measure incorporated.

The Project's maintenance noise levels would be similar to ambient traffic noise; thus, maintenance would be a negligible increase in noise levels to sensitive receptors. The Project's maintenance would occur within the day/time restrictions established within the City of Seal Beach's municipal code; therefore, maintenance associated with the pipeline would comply with City of Seal Beach noise ordinances.

The Project construction and operation vibration levels would be 0.16 ppv in/sec, which would be below AASHTO and Caltrans vibration thresholds for annoyance and significant impact for continuous/frequency intermittent sources. Thus, the operation of the Project would result in less than significant impact to vibration levels.

The closest public airport to the Project is Long Beach Airport (4100 Donald Douglas Dr, Long Beach), located approximately 2.5 miles northwest of the Project. There are no private airstrips, heliports, or helistops in the vicinity of the Project site. Additionally, Project construction and operation would not generate aircraft noise nor result in exposure of persons to excessive aircraft noise levels. Thus, construction and operation of the Project would result in no impact from aircraft noise levels.

## 9 REFERENCES

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## **APPENDICES**

**APPENDIX A**  
**Noise Monitoring Data Sheets**

Project Number/Name: HAYNES GENERATING STATION PROJECT Date: 1/11/2023

Site Number/Description: MON 1, (Lat/Long: 33.787102 -118.099746)

Sidewalk near residence at 1625 Studebaker Rd

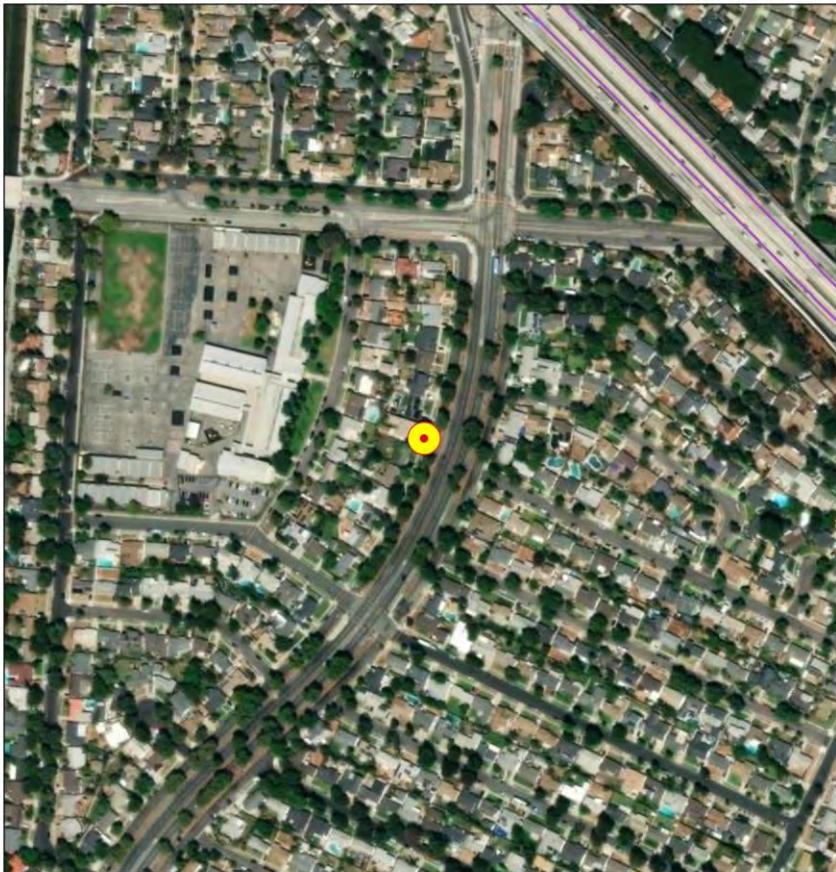
Prepared by/Crew: David Shu

Temperature: 51 °F Relative Humidity: 83 % Wind & Direction: 0 mph/Calm Sky: Cloudy

SLM Make/Model: Larson Davis LxT SE Calibration Make/Model: Larson Davis CAL 200

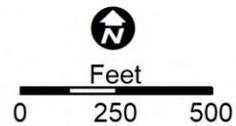
Calibration:

Posted Speed Limit (mph): 40 Observed Speed (mph): 40-45



Long Beach Water Department  
 LADWP Haynes Generating Station  
 Recycled Water Pipeline Project

Legend  
 Monitoring Location



Source: AZTEC (2023). World Imagery (Accessed in 2023)

Sample	Time		Sound Level, dBA			Traffic Count		
	Start	Duration	L <sub>MIN</sub>	L <sub>EQ</sub>	L <sub>MAX</sub>	Auto	Med. Trk.	Hvy. Trk.
1	9:09 AM	15 mins	54.7	64.1	74.6	---	---	---



**Figure 1. Looking east**



**Figure 2. Looking south**

# Measurement Report

## Report Summary

Meter's File Name	LxT_Data.012.s	Computer's File Name	LxTse_0006591-20230111 090932-LxT_Data.012.ldbin		
Meter	LxT SE	0006591			
Firmware	2.404				
User	Location				
Job Description					
Note					
Start Time	2023-01-11 09:09:32	Duration	0:15:14.8		
End Time	2023-01-11 09:24:46	Run Time	0:15:01.4	Pause Time	0:00:13.4

## Results

### Overall Metrics

LA <sub>eq</sub>	64.1 dB		
LAE	93.6 dB	SEA	--- dB
EA	254.7 μPa <sup>2</sup> h		
LZ <sub>peak</sub>	98.7 dB	2023-01-11 09:18:34	
LAS <sub>max</sub>	74.6 dB	2023-01-11 09:18:34	
LAS <sub>min</sub>	54.7 dB	2023-01-11 09:17:00	
LA <sub>eq</sub>	64.1 dB		
LC <sub>eq</sub>	72.6 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	8.6 dB
LAI <sub>eq</sub>	64.8 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	0.7 dB

### Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 135.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 137.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 140.0 dB	0	0:00:00.0

### Community Noise

LDN	LDay	LNight	
64.1 dB	64.1 dB	0.0 dB	
LDEN	LDay	LEve	LNight
64.1 dB	64.1 dB	--- dB	--- dB

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L <sub>eq</sub>	64.1 dB		72.6 dB		--- dB	
L <sub>S(max)</sub>	74.6 dB	2023-01-11 09:18:34	--- dB		--- dB	
L <sub>S(min)</sub>	54.7 dB	2023-01-11 09:17:00	--- dB		--- dB	
L <sub>Peak(max)</sub>	--- dB		--- dB		98.7 dB	2023-01-11 09:18:34

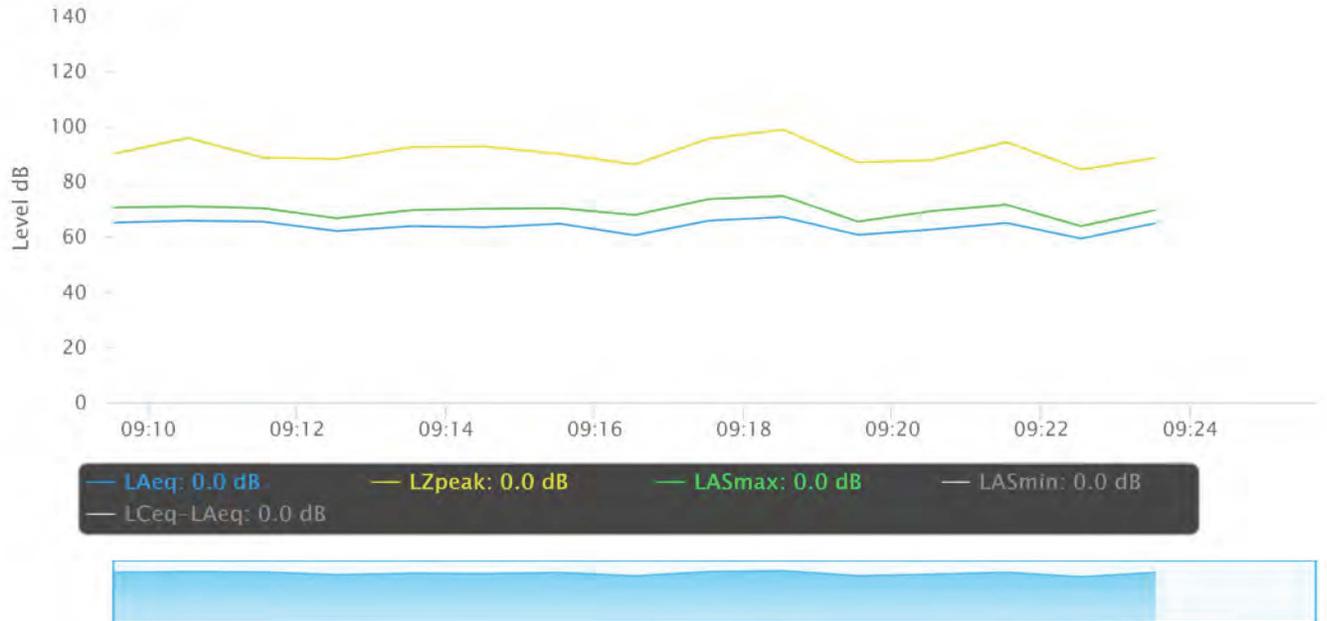
### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	6	0:00:19.4

### Statistics

LAS 5.0	69.1 dB
LAS 10.0	67.9 dB
LAS 33.3	64.0 dB
LAS 50.0	62.0 dB
LAS 66.6	59.4 dB
LAS 90.0	56.7 dB

# Time History



Project Number/Name: HAYNES GENERATING STATION PROJECT Date: 1/11/2023

Site Number/Description: MON 2, (Lat/Long: 33.785036 -118.101363)

Sidewalk near residence at 1429 Studebaker Rd

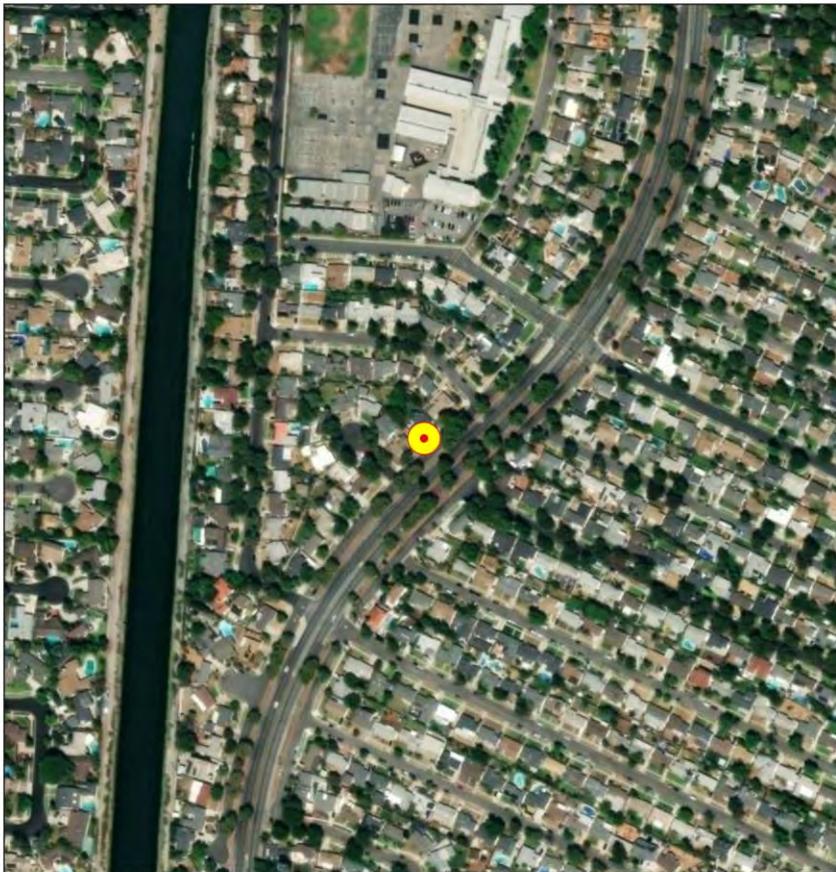
Prepared by/Crew: David Shu

Temperature: 52 °F Relative Humidity: 83 % Wind & Direction: 0 mph/Calm Sky: Cloudy

SLM Make/Model: Larson Davis LxT SE Calibration Make/Model: Larson Davis CAL 200

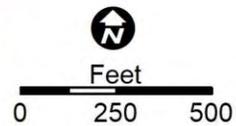
Calibration:

Posted Speed Limit (mph): 40 Observed Speed (mph): 40-45



Long Beach Water Department  
 LADWP Haynes Generating Station  
 Recycled Water Pipeline Project

Legend  
 Monitoring Location



Source: AZTEC (2023). World Imagery (Accessed in 2023)

Sample	Time		Sound Level, dBA			Traffic Count		
	Start	Duration	L <sub>MIN</sub>	L <sub>EQ</sub>	L <sub>MAX</sub>	Auto	Med. Trk.	Hvy. Trk.
1	9:32 AM	15 mins	51.8	64.6	71.7	---	---	---



**Figure 1. Looking east**



**Figure 2. Looking south**

# Measurement Report

## Report Summary

Meter's File Name	LxT_Data.013.s	Computer's File Name	LxTse_0006591-20230111 093259-LxT_Data.013.ldbin	
Meter	LxT SE	0006591		
Firmware	2.404			
User	Location			
Job Description				
Note				
Start Time	2023-01-11 09:32:59	Duration	0:15:00.0	
End Time	2023-01-11 09:47:59	Run Time	0:14:52.1	Pause Time 0:00:07.9

## Results

### Overall Metrics

LA <sub>eq</sub>	64.6 dB		
LAE	94.1 dB	SEA	--- dB
EA	283.0 μPa <sup>2</sup> h		
LZ <sub>peak</sub>	98.9 dB	2023-01-11 09:38:15	
LAS <sub>max</sub>	71.7 dB	2023-01-11 09:36:03	
LAS <sub>min</sub>	51.8 dB	2023-01-11 09:45:16	
LA <sub>eq</sub>	64.6 dB		
LC <sub>eq</sub>	71.4 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	6.8 dB
LAI <sub>eq</sub>	65.2 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	0.6 dB

### Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 135.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 137.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 140.0 dB	0	0:00:00.0

### Community Noise

LDN	LDay	LNight	
64.6 dB	64.6 dB	0.0 dB	
LDEN	LDay	LEve	LNight
64.6 dB	64.6 dB	--- dB	--- dB

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L <sub>eq</sub>	64.6 dB		71.4 dB		--- dB	
L <sub>S(max)</sub>	71.7 dB	2023-01-11 09:36:03	--- dB		--- dB	
L <sub>S(min)</sub>	51.8 dB	2023-01-11 09:45:16	--- dB		--- dB	
L <sub>Peak(max)</sub>	--- dB		--- dB		98.9 dB	2023-01-11 09:38:15

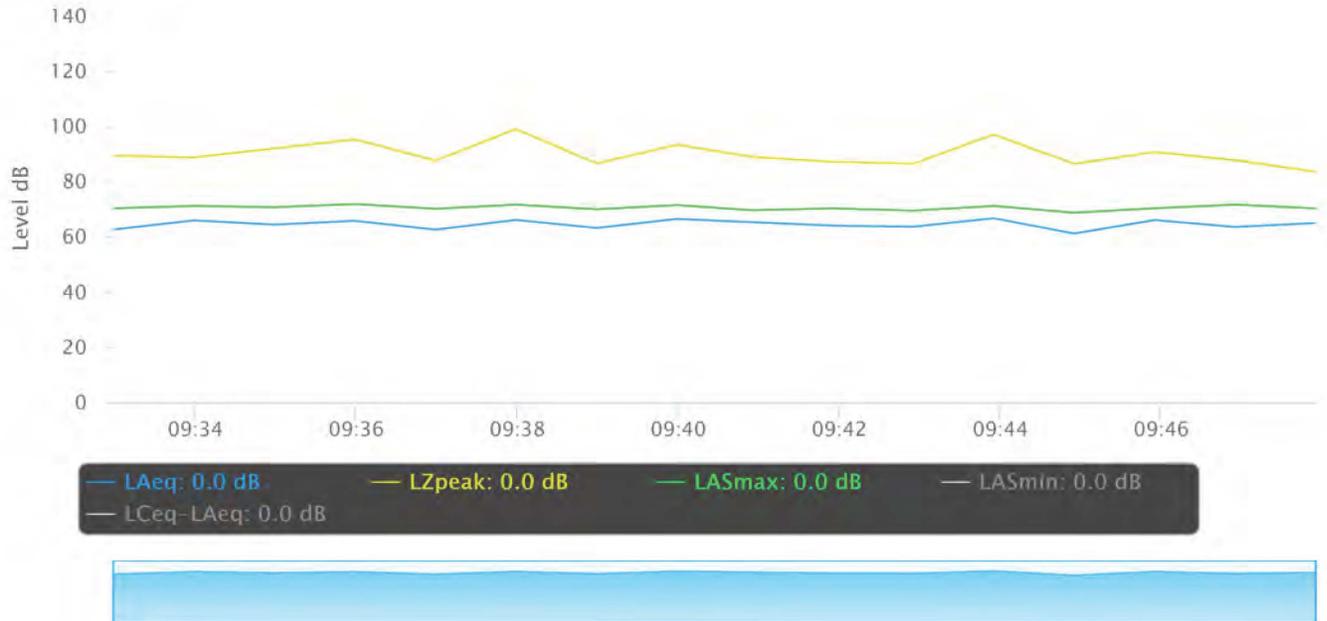
### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	4	0:00:14.1

### Statistics

LAS 5.0	69.3 dB
LAS 10.0	68.5 dB
LAS 33.3	65.1 dB
LAS 50.0	62.3 dB
LAS 66.6	59.7 dB
LAS 90.0	55.4 dB

# Time History



Project Number/Name: HAYNES GENERATING STATION PROJECT Date: 1/11/2023

Site Number/Description: MON 3, (Lat/Long: 33.781821 -118.102553)

Sidewalk near residence at 6705 Anaheim Road

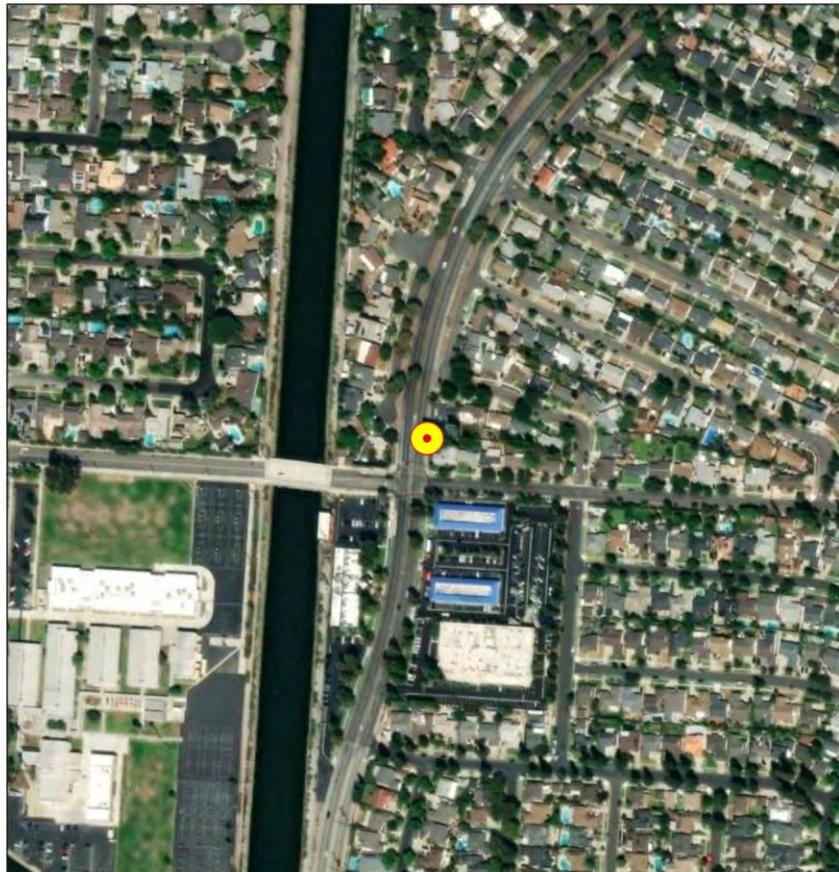
Prepared by/Crew: David Shu

Temperature: 54 °F Relative Humidity: 80 % Wind & Direction: 0 mph/Calm Sky: Cloudy

SLM Make/Model: Larson Davis LxT SE Calibration Make/Model: Larson Davis CAL 200

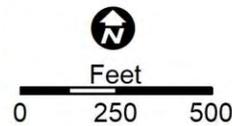
Calibration:

Posted Speed Limit (mph): 40 Observed Speed (mph): 40-45



Long Beach Water Department  
 LADWP Haynes Generating Station  
 Recycled Water Pipeline Project

Legend  
 Monitoring Location



Source: AZTEC (2023). World Imagery (Accessed in 2023)

Sample	Time		Sound Level, dBA			Traffic Count		
	Start	Duration	L <sub>MIN</sub>	L <sub>EQ</sub>	L <sub>MAX</sub>	Auto	Med. Trk.	Hvy. Trk.
1	9:56 AM	15 mins	50.6	73.8	94.1	---	---	---



**Figure 1. Looking south**



**Figure 2. Looking north**

# Measurement Report

## Report Summary

Meter's File Name	LxT_Data.014.s	Computer's File Name	LxTse_0006591-20230111 095637-LxT_Data.014.ldbin	
Meter	LxT SE	0006591		
Firmware	2.404			
User	Location			
Job Description				
Note				
Start Time	2023-01-11 09:56:37	Duration	0:15:01.3	
End Time	2023-01-11 10:11:38	Run Time	0:15:01.3	Pause Time 0:00:00.0

## Results

### Overall Metrics

LA <sub>eq</sub>	73.8 dB		
LAE	103.4 dB	SEA	--- dB
EA	2.4 mPa <sup>2</sup> h		
LZ <sub>peak</sub>	116.5 dB	2023-01-11 09:59:09	
LAS <sub>max</sub>	94.1 dB	2023-01-11 09:59:09	
LAS <sub>min</sub>	50.6 dB	2023-01-11 10:02:21	
LA <sub>eq</sub>	73.8 dB		
LC <sub>eq</sub>	78.6 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	4.7 dB
LAI <sub>eq</sub>	76.0 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	2.2 dB

### Exceedances

	Count	Duration
LAS > 85.0 dB	1	0:00:07.3
LAS > 115.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 135.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 137.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 140.0 dB	0	0:00:00.0

### Community Noise

LDN	LDay	LNight	
73.8 dB	73.8 dB	0.0 dB	
LDEN	LDay	LEve	LNight
73.8 dB	73.8 dB	--- dB	--- dB

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L <sub>eq</sub>	73.8 dB		78.6 dB		--- dB	
L <sub>S(max)</sub>	94.1 dB	2023-01-11 09:59:09	--- dB		--- dB	
L <sub>S(min)</sub>	50.6 dB	2023-01-11 10:02:21	--- dB		--- dB	
L <sub>Peak(max)</sub>	--- dB		--- dB		116.5 dB	2023-01-11 09:59:09

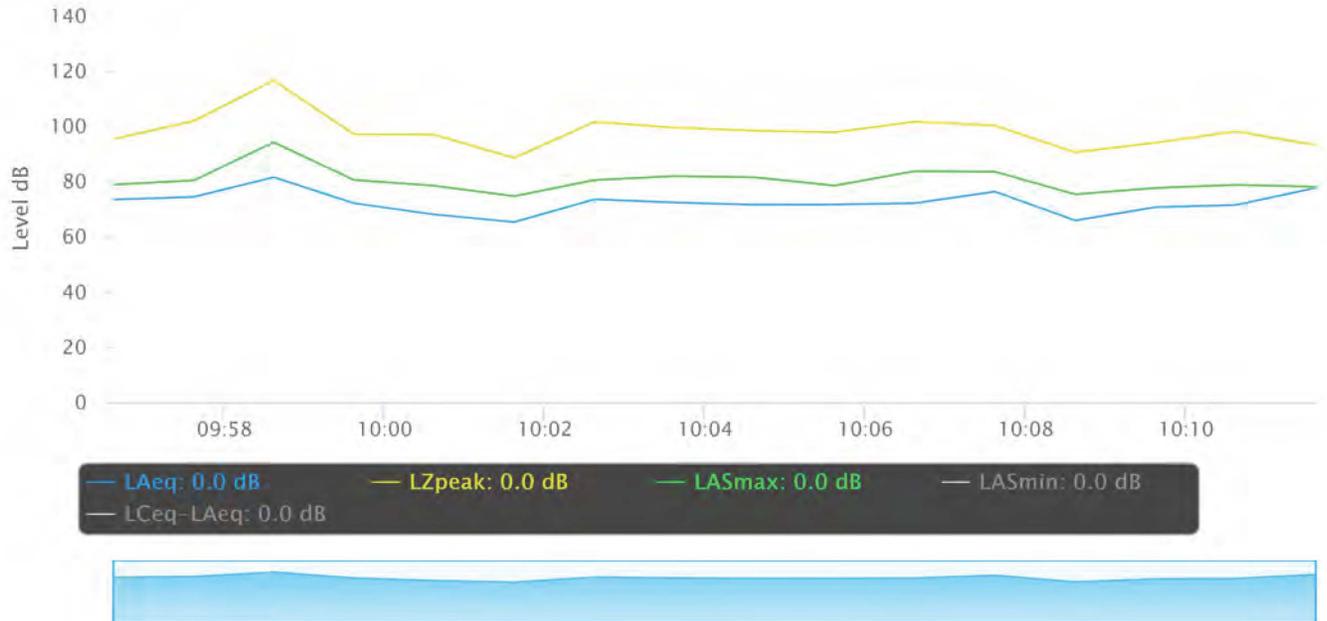
### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	28	0:02:33.7

### Statistics

LAS 5.0	78.6 dB
LAS 10.0	77.0 dB
LAS 33.3	70.7 dB
LAS 50.0	65.8 dB
LAS 66.6	62.2 dB
LAS 90.0	56.1 dB

# Time History



Project Number/Name: HAYNES GENERATING STATION PROJECT Date: 1/11/2023

Site Number/Description: MON 4, (Lat/Long: 33.777069 -118.102420)

Behind the backyard privacy wall near residence at 833 Lees Avenue

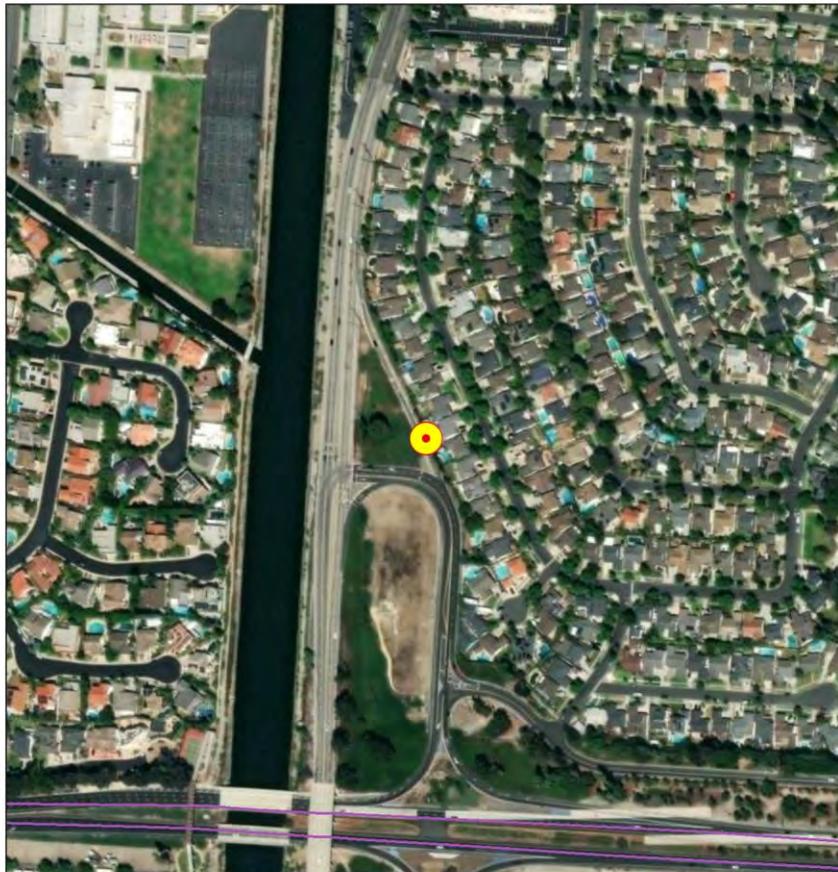
Prepared by/Crew: David Shu

Temperature: 54 °F Relative Humidity: 80 % Wind & Direction: 0 mph/Calm Sky: Cloudy

SLM Make/Model: Larson Davis LxT SE Calibration Make/Model: Larson Davis CAL 200

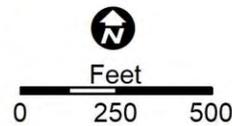
Calibration:

Posted Speed Limit (mph): 40 Observed Speed (mph): 40-45



Long Beach Water Department  
 LADWP Haynes Generating Station  
 Recycled Water Pipeline Project

Legend  
 Monitoring Location



Source: AZTEC (2023). World Imagery (Accessed in 2023)

Sample	Time		Sound Level, dBA			Traffic Count		
	Start	Duration	L <sub>MIN</sub>	L <sub>EQ</sub>	L <sub>MAX</sub>	Auto	Med. Trk.	Hvy. Trk.
1	10:19 AM	15 mins	49.4	68.6	81.8	---	---	---

meter paused during overhead aircraft fly over.



**Figure 1. Looking west**



**Figure 2. Looking north**

# Measurement Report

## Report Summary

Meter's File Name	LxT_Data.015.s	Computer's File Name	LxTse_0006591-20230111 101937-LxT_Data.015.ldbin	
Meter	LxT SE	0006591		
Firmware	2.404			
User				Location
Job Description				
Note				
Start Time	2023-01-11 10:19:37	Duration	0:15:04.3	
End Time	2023-01-11 10:34:41	Run Time	0:14:43.2	Pause Time 0:00:21.1

## Results

### Overall Metrics

LA <sub>eq</sub>	68.6 dB		
LAE	98.1 dB	SEA	--- dB
EA	715.2 μPa <sup>2</sup> h		
LZ <sub>peak</sub>	100.6 dB	2023-01-11 10:20:25	
LAS <sub>max</sub>	81.8 dB	2023-01-11 10:20:25	
LAS <sub>min</sub>	49.4 dB	2023-01-11 10:26:20	
LA <sub>eq</sub>	68.6 dB		
LC <sub>eq</sub>	72.7 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	4.1 dB
LAI <sub>eq</sub>	70.9 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	2.3 dB

### Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 135.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 137.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 140.0 dB	0	0:00:00.0

### Community Noise

LDN	LDay	LNight	
68.6 dB	68.6 dB	0.0 dB	
LDEN	LDay	LEve	LNight
68.6 dB	68.6 dB	--- dB	--- dB

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L <sub>eq</sub>	68.6 dB		72.7 dB		--- dB	
L <sub>S(max)</sub>	81.8 dB	2023-01-11 10:20:25	--- dB		--- dB	
L <sub>S(min)</sub>	49.4 dB	2023-01-11 10:26:20	--- dB		--- dB	
L <sub>Peak(max)</sub>	--- dB		--- dB		100.6 dB	2023-01-11 10:20:25

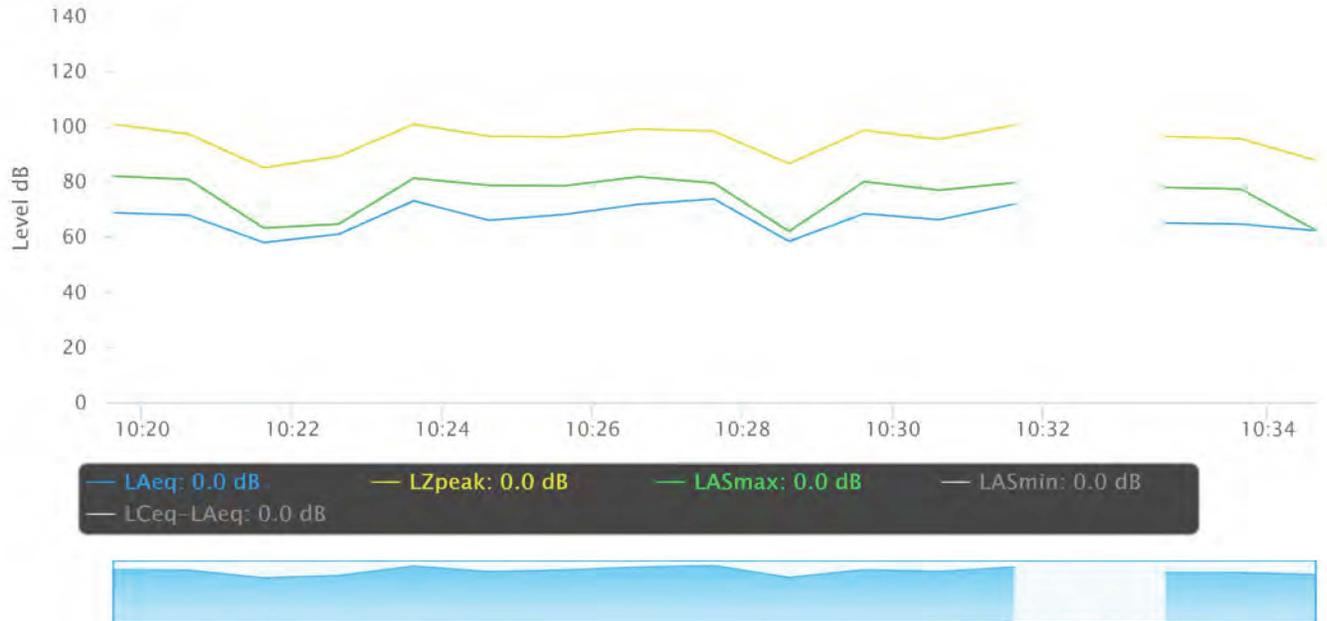
### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	27	0:01:28.9

### Statistics

LAS 5.0	76.7 dB
LAS 10.0	73.4 dB
LAS 33.3	62.4 dB
LAS 50.0	60.7 dB
LAS 66.6	58.4 dB
LAS 90.0	55.5 dB

# Time History



Project Number/Name: HAYNES GENERATING STATION PROJECT Date: 1/11/2023

Site Number/Description: MON 5, (Lat/Long: 33.774877 -118.100686)

Behind the backyard privacy wall near 6860 Septimo Street

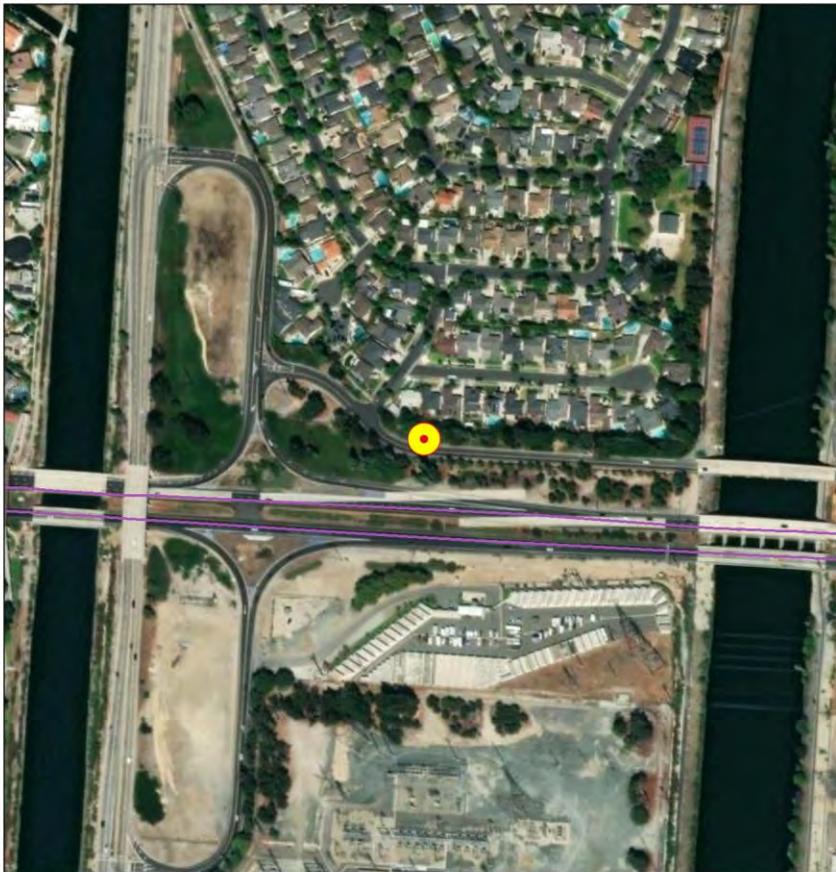
Prepared by/Crew: David Shu

Temperature: 57 °F Relative Humidity: 74 % Wind & Direction: 0 mph/Calm Sky: Cloudy

SLM Make/Model: Larson Davis LxT SE Calibration Make/Model: Larson Davis CAL 200

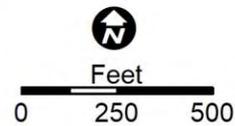
Calibration:

Posted Speed Limit (mph): 50 Observed Speed (mph): 50-55



Long Beach Water Department  
 LADWP Haynes Generating Station  
 Recycled Water Pipeline Project

Legend  
 Monitoring Location



Source: AZTEC (2023). World Imagery (Accessed in 2023)

Sample	Time		Sound Level, dBA			Traffic Count		
	Start	Duration	L <sub>MIN</sub>	L <sub>EQ</sub>	L <sub>MAX</sub>	Auto	Med. Trk.	Hvy. Trk.
1	10:45 AM	15 mins	54.9	63.3	75.1	---	---	---



**Figure 1. Looking south**



**Figure 2. Looking west**

# Measurement Report

## Report Summary

Meter's File Name	LxT_Data.016.s	Computer's File Name	LxTse_0006591-20230111 104519-LxT_Data.016.ldbin	
Meter	LxT SE	0006591		
Firmware	2.404			
User			Location	
Job Description				
Note				
Start Time	2023-01-11 10:45:19	Duration	0:15:02.9	
End Time	2023-01-11 11:00:22	Run Time	0:15:02.9	Pause Time 0:00:00.0

## Results

### Overall Metrics

$L_{A_{eq}}$	63.3 dB			
LAE	92.9 dB	SEA	--- dB	
EA	215.4 $\mu Pa^2h$			
$LZ_{peak}$	100.2 dB		2023-01-11 10:49:33	
$LAS_{max}$	75.1 dB		2023-01-11 10:49:33	
$LAS_{min}$	54.9 dB		2023-01-11 10:52:14	
$L_{A_{eq}}$	63.3 dB			
$LC_{eq}$	71.8 dB	$LC_{eq} - LA_{eq}$	8.4 dB	
$LAI_{eq}$	64.5 dB	$LAI_{eq} - LA_{eq}$	1.2 dB	

### Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
$LZ_{peak}$ > 135.0 dB	0	0:00:00.0
$LZ_{peak}$ > 137.0 dB	0	0:00:00.0
$LZ_{peak}$ > 140.0 dB	0	0:00:00.0

### Community Noise

LDN	LDay	LNight	
63.3 dB	63.3 dB	0.0 dB	
LDEN	LDay	LEve	LNight
63.3 dB	63.3 dB	--- dB	--- dB

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
$L_{eq}$	63.3 dB		71.8 dB		--- dB	
$LS_{(max)}$	75.1 dB	2023-01-11 10:49:33	--- dB		--- dB	
$LS_{(min)}$	54.9 dB	2023-01-11 10:52:14	--- dB		--- dB	
$L_{Peak(max)}$	--- dB		--- dB		100.2 dB	2023-01-11 10:49:33

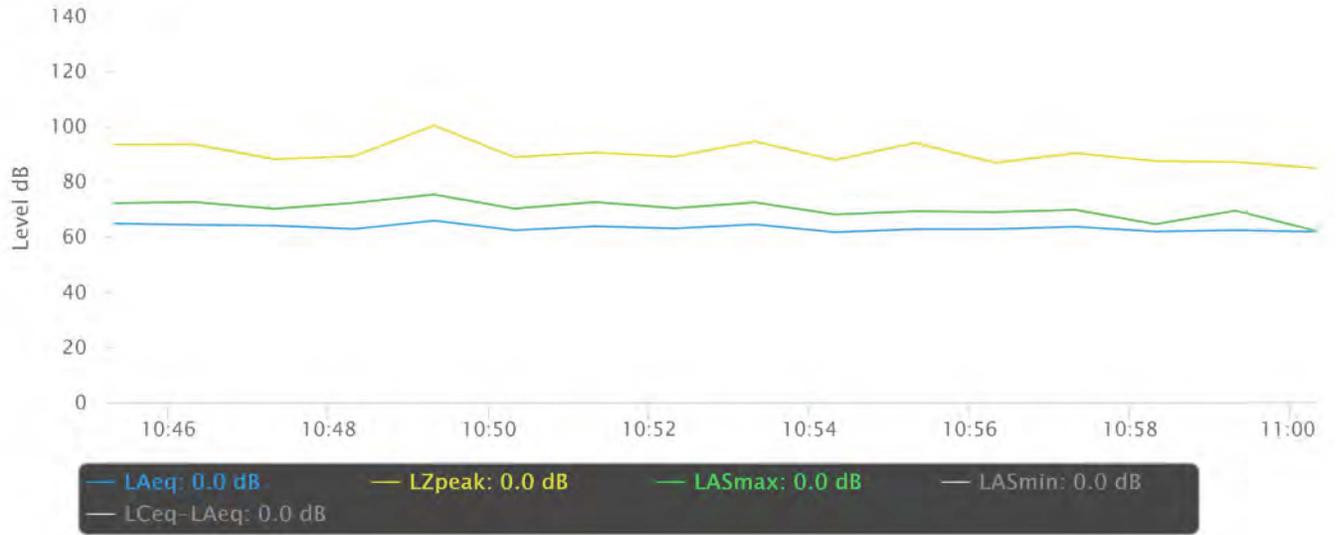
### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	6	0:00:16.0

### Statistics

LAS 5.0	67.9 dB
LAS 10.0	65.7 dB
LAS 33.3	62.7 dB
LAS 50.0	61.9 dB
LAS 66.6	61.0 dB
LAS 90.0	59.1 dB

# Time History



Project Number/Name: HAYNES GENERATING STATION PROJECT Date: 1/11/2023

Site Number/Description: MON 6, (Lat/Long: 33.774910 -118.096267)

20 feet from the roadway in Edison Park

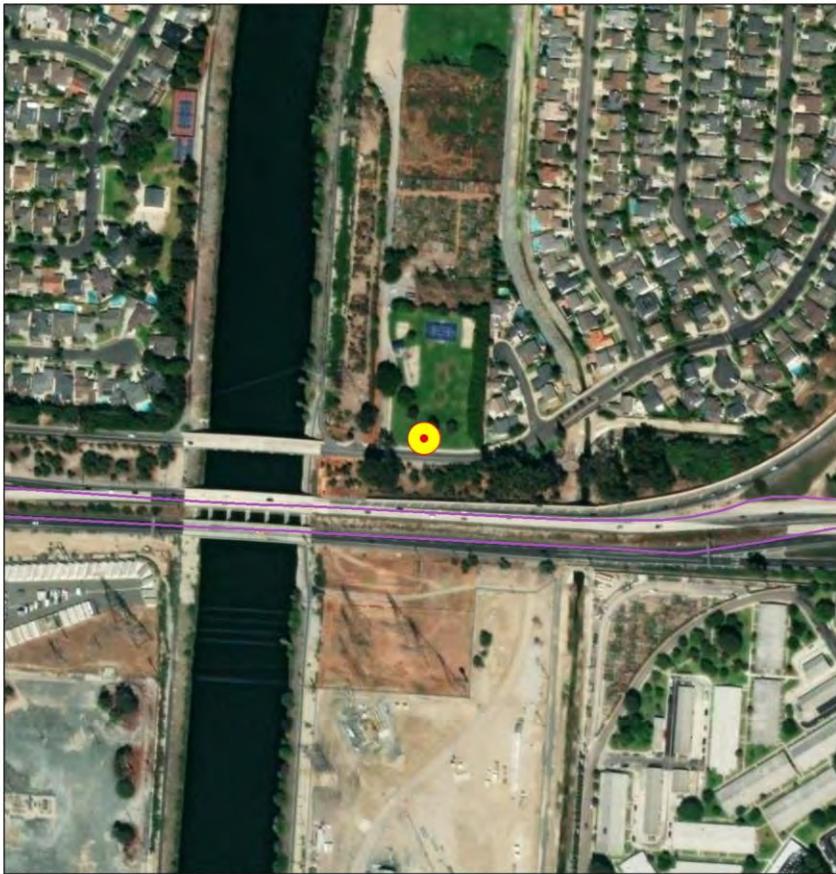
Prepared by/Crew: David Shu

Temperature: 57 °F Relative Humidity: 74 % Wind & Direction: 0 mph/Calm Sky: Cloudy

SLM Make/Model: Larson Davis LxT SE Calibration Make/Model: Larson Davis CAL 200

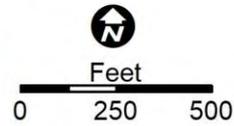
Calibration:

Posted Speed Limit (mph): 50 Observed Speed (mph): 50-55



Long Beach Water Department  
 LADWP Haynes Generating Station  
 Recycled Water Pipeline Project

Legend  
 Monitoring Location



Source: AZTEC (2023). World Imagery (Accessed in 2023)

Sample	Time		Sound Level, dBA			Traffic Count		
	Start	Duration	L <sub>MIN</sub>	L <sub>EQ</sub>	L <sub>MAX</sub>	Auto	Med. Trk.	Hvy. Trk.
1	11:07 AM	15 mins	53.4	57.9	68.5	---	---	---

meter paused during overhead aircraft fly over.



**Figure 1. Looking south**



**Figure 2. Looking west**

# Measurement Report

## Report Summary

Meter's File Name	LxT_Data.017.s	Computer's File Name	LxTse_0006591-20230111 110742-LxT_Data.017.ldbin	
Meter	LxT SE	0006591		
Firmware	2.404			
User			Location	
Job Description				
Note				
Start Time	2023-01-11 11:07:42	Duration	0:15:01.4	
End Time	2023-01-11 11:22:43	Run Time	0:14:06.7	Pause Time 0:00:54.7

## Results

### Overall Metrics

LA <sub>eq</sub>	57.9 dB		
LAE	87.2 dB	SEA	--- dB
EA	57.7 μPa <sup>2</sup> h		
LZ <sub>peak</sub>	94.6 dB	2023-01-11 11:19:05	
LAS <sub>max</sub>	68.5 dB	2023-01-11 11:19:06	
LAS <sub>min</sub>	53.4 dB	2023-01-11 11:16:08	
LA <sub>eq</sub>	57.9 dB		
LC <sub>eq</sub>	70.0 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	12.1 dB
LAI <sub>eq</sub>	58.5 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	0.7 dB

### Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 135.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 137.0 dB	0	0:00:00.0
LZ <sub>peak</sub> > 140.0 dB	0	0:00:00.0

### Community Noise

LDN	LDay	LNight	
57.9 dB	57.9 dB	0.0 dB	
LDEN	LDay	LEve	LNight
57.9 dB	57.9 dB	--- dB	--- dB

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L <sub>eq</sub>	57.9 dB		70.0 dB		--- dB	
L <sub>S(max)</sub>	68.5 dB	2023-01-11 11:19:06	--- dB		--- dB	
L <sub>S(min)</sub>	53.4 dB	2023-01-11 11:16:08	--- dB		--- dB	
L <sub>Peak(max)</sub>	--- dB		--- dB		94.6 dB	2023-01-11 11:19:05

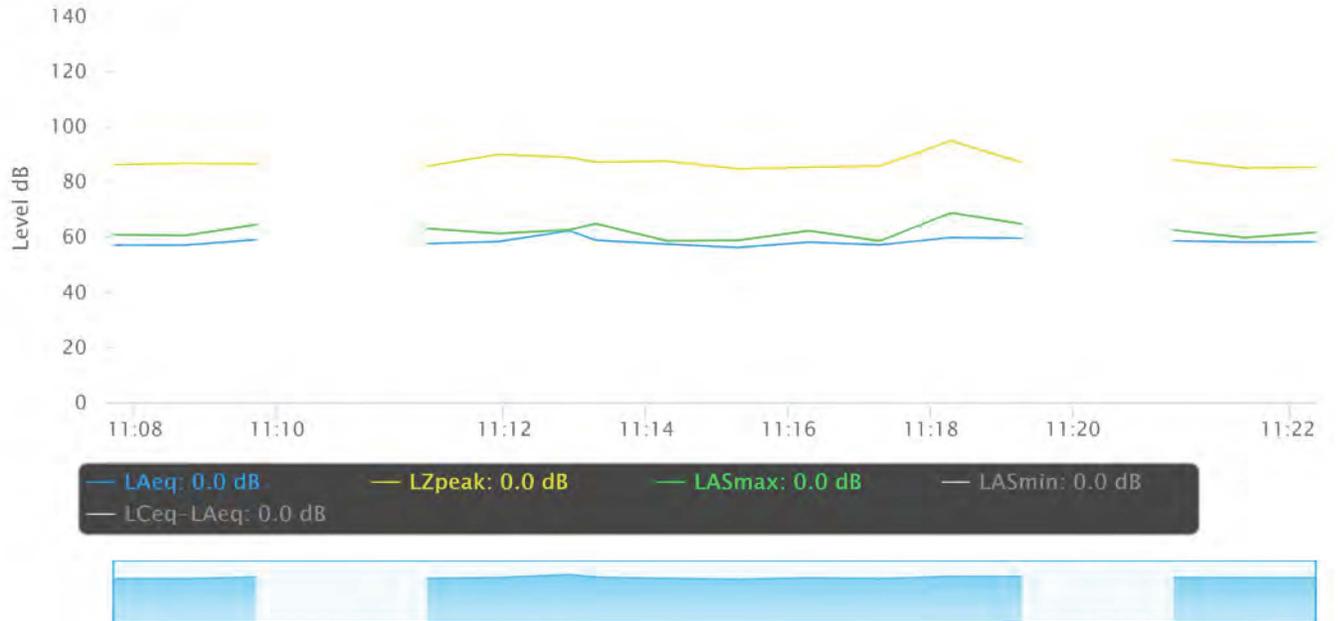
### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	1	0:00:03.2

### Statistics

LAS 5.0	60.6 dB
LAS 10.0	59.5 dB
LAS 33.3	57.7 dB
LAS 50.0	57.2 dB
LAS 66.6	56.7 dB
LAS 90.0	55.4 dB

# Time History



**APPENDIX B**  
**Roadway Construction Noise Model Results**



N/A N/A

\*\*\*\* Receptor #3 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R3	Residential	65.0	65.0	65.0

Equipment						
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	50.0	0.0
Excavator	No	40		80.7	50.0	0.0

Results															
Exceedance (dBA)															
Noise Limits (dBA)															
Noise Limit															
Night		Calculated (dBA)				Day		Evening		Night		Day		Evening	
Equipment Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe	N/A	77.6	73.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	80.7	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		80.7	78.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #4 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R4	Residential	65.0	65.0	65.0

Equipment						
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	180.0	0.0
Excavator	No	40		80.7	180.0	0.0

Results															
Exceedance (dBA)															
Noise Limits (dBA)															
Noise Limit															
Night		Calculated (dBA)				Day		Evening		Night		Day		Evening	
Equipment Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe	N/A	66.4	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	69.6	65.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		69.6	67.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #5 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R5	Residential	65.0	65.0	65.0

Equipment						
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	70.0	0.0
Excavator	No	40		80.7	70.0	0.0

Results															
Exceedance (dBA)															
Noise Limits (dBA)															
Noise Limit															
Night		Calculated (dBA)				Day		Evening		Night		Day		Evening	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	
Backhoe	N/A	N/A	74.6	70.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Excavator	N/A	N/A	77.8	73.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Total	77.8	75.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

\*\*\*\* Receptor #6 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R6	Residential	70.0	70.0	70.0

Equipment						
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	60.0	0.0
Excavator	No	40		80.7	60.0	0.0

Results															
Exceedance (dBA)															
Noise Limits (dBA)															
Noise Limit															
Night		Calculated (dBA)				Day		Evening		Night		Day		Evening	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	
Backhoe	N/A	N/A	76.0	72.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Excavator	N/A	N/A	79.1	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Total	79.1	76.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

\*\*\*\* Receptor #7 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night

-----  
 R7 Residential 65.0 65.0 65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	65.0	6.0
Excavator	No	40		80.7	65.0	6.0

Results

Exceedance (dBA)		Noise Limits (dBA)								Noise Limit				
Night		Calculated (dBA)		Day		Evening		Night		Day		Evening		
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe	N/A	N/A	69.3	65.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	N/A	72.4	68.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Total	72.4	70.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #8 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)		
			Evening	Night	
R8	Residential	65.0	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	44.0	6.0
Excavator	No	40		80.7	44.0	6.0

Results

Exceedance (dBA)		Noise Limits (dBA)								Noise Limit				
Night		Calculated (dBA)		Day		Evening		Night		Day		Evening		
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe	N/A	N/A	72.7	68.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	N/A	75.8	71.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Total	75.8	73.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #9 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)		
			Evening	Night	
R9	Residential	60.0	60.0	60.0	60.0

Description	Impact Device	Usage (%)	Equipment			Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Backhoe	No	40		77.6	45.0	6.0
Excavator	No	40		80.7	45.0	6.0

Results

Exceedance (dBA)	Noise Limits (dBA)										Noise Limit			
	Calculated (dBA)				Day		Evening		Night		Day		Evening	
	Night		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe	N/A	N/A	72.5	68.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	N/A	75.6	71.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	Total	75.6	73.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #10 \*\*\*\*

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
R10	Residential	60.0	60.0	60.0

Description	Impact Device	Usage (%)	Equipment			Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Backhoe	No	40		77.6	90.0	6.0
Excavator	No	40		80.7	90.0	6.0

Results

Exceedance (dBA)	Noise Limits (dBA)										Noise Limit			
	Calculated (dBA)				Day		Evening		Night		Day		Evening	
	Night		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe	N/A	N/A	66.5	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	N/A	69.6	65.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	Total	69.6	67.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #11 \*\*\*\*

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
R11	Residential	60.0	60.0	60.0

Equipment			
Spec	Actual	Receptor	Estimated









Equipment		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Lmax	Leq												
Scraper	N/A	82.0	78.0	N/A	N/A								
Excavator	N/A	79.1	75.1	N/A	N/A								
Dump Truck	N/A	74.9	70.9	N/A	N/A								
	Total	82.0	80.3	N/A	N/A								

\*\*\*\* Receptor #7 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R7	Residential	65.0	65.0	65.0

Description	Impact Device	Usage (%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Scraper	No	40		83.6	65.0	6.0
Excavator	No	40		80.7	65.0	6.0
Dump Truck	No	40		76.5	65.0	6.0

Results

Exceedance (dBA)	Noise Limits (dBA)						Noise Limit	
	Calculated (dBA)	Day		Evening		Night		Day

Equipment		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Lmax	Leq												
Scraper	N/A	75.3	71.3	N/A	N/A								
Excavator	N/A	72.4	68.5	N/A	N/A								
Dump Truck	N/A	68.2	64.2	N/A	N/A								
	Total	75.3	73.7	N/A	N/A								

\*\*\*\* Receptor #8 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R8	Residential	65.0	65.0	65.0

Description	Impact Device	Usage (%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Scraper	No	40		83.6	44.0	6.0
Excavator	No	40		80.7	44.0	6.0
Dump Truck	No	40		76.5	44.0	6.0

Results

Exceedance (dBA)	Noise Limits (dBA)						Noise Limit	
	Calculated (dBA)	Day		Evening		Night		Day

Night		Calculated (dBA)		Day		Evening		Night		Day		Evening	
Equipment	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Scrapper	N/A	78.7	74.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	75.8	71.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dump Truck	N/A	71.6	67.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	Total	78.7	77.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #9 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R9	Residential	60.0	60.0	60.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Scrapper	No	40		83.6	45.0	6.0
Excavator	No	40		80.7	45.0	6.0
Dump Truck	No	40		76.5	45.0	6.0

Results

Exceedance (dBA)	Noise Limits (dBA)						Noise Limit		
	Night		Day		Evening		Day	Evening	
Equipment	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Scrapper	N/A	78.5	74.5	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	75.6	71.6	N/A	N/A	N/A	N/A	N/A	N/A
Dump Truck	N/A	71.4	67.4	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	Total	78.5	76.8	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #10 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R10	Residential	60.0	60.0	60.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Scrapper	No	40		83.6	90.0	6.0
Excavator	No	40		80.7	90.0	6.0
Dump Truck	No	40		76.5	90.0	6.0

Results

Noise Limits (dBA) Noise Limit





N/A N/A

\*\*\*\* Receptor #3 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R3	Residential	65.0	65.0	65.0

Equipment						
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	50.0	0.0
Excavator	No	40		80.7	50.0	0.0

Results															
Exceedance (dBA)															
Noise Limits (dBA)															
Noise Limit															
Night		Calculated (dBA)				Day		Evening		Night		Day		Evening	
Equipment Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe	N/A	77.6	73.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	80.7	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		80.7	78.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #4 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R4	Residential	65.0	65.0	65.0

Equipment						
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	180.0	0.0
Excavator	No	40		80.7	180.0	0.0

Results															
Exceedance (dBA)															
Noise Limits (dBA)															
Noise Limit															
Night		Calculated (dBA)				Day		Evening		Night		Day		Evening	
Equipment Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe	N/A	66.4	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	69.6	65.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		69.6	67.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #5 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R5	Residential	65.0	65.0	65.0

Equipment						
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	70.0	0.0
Excavator	No	40		80.7	70.0	0.0

Results															
Exceedance (dBA)															
Noise Limits (dBA)															
Noise Limit															
Night		Calculated (dBA)				Day		Evening		Night		Day		Evening	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	
Backhoe	N/A	N/A	74.6	70.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Excavator	N/A	N/A	77.8	73.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Total	77.8	75.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

\*\*\*\* Receptor #6 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R6	Residential	70.0	70.0	70.0

Equipment						
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	60.0	0.0
Excavator	No	40		80.7	60.0	0.0

Results															
Exceedance (dBA)															
Noise Limits (dBA)															
Noise Limit															
Night		Calculated (dBA)				Day		Evening		Night		Day		Evening	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	
Backhoe	N/A	N/A	76.0	72.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Excavator	N/A	N/A	79.1	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Total	79.1	76.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

\*\*\*\* Receptor #7 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night

-----  
 R7 Residential 65.0 65.0 65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	65.0	6.0
Excavator	No	40		80.7	65.0	6.0

Results

Exceedance (dBA)		Noise Limits (dBA)								Noise Limit				
Night		Calculated (dBA)		Day		Evening		Night		Day		Evening		
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe	N/A	N/A	69.3	65.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	N/A	72.4	68.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Total	72.4	70.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #8 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)		
			Evening	Night	
R8	Residential	65.0	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	44.0	6.0
Excavator	No	40		80.7	44.0	6.0

Results

Exceedance (dBA)		Noise Limits (dBA)								Noise Limit				
Night		Calculated (dBA)		Day		Evening		Night		Day		Evening		
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe	N/A	N/A	72.7	68.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	N/A	75.8	71.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Total	75.8	73.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #9 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)		
			Evening	Night	
R9	Residential	60.0	60.0	60.0	60.0

Description	Impact Device	Usage (%)	Equipment			Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Backhoe	No	40		77.6	45.0	6.0
Excavator	No	40		80.7	45.0	6.0

Results

Exceedance (dBA)		Noise Limits (dBA)								Noise Limit			
Night		Calculated (dBA)		Day		Evening		Night		Day		Evening	
Equipment Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe N/A	N/A	72.5	68.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator N/A	N/A	75.6	71.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	75.6	73.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #10 \*\*\*\*

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
R10	Residential	60.0	60.0	60.0

Description	Impact Device	Usage (%)	Equipment			Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Backhoe	No	40		77.6	90.0	6.0
Excavator	No	40		80.7	90.0	6.0

Results

Exceedance (dBA)		Noise Limits (dBA)								Noise Limit			
Night		Calculated (dBA)		Day		Evening		Night		Day		Evening	
Equipment Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Backhoe N/A	N/A	66.5	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator N/A	N/A	69.6	65.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	69.6	67.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*\*\*\* Receptor #11 \*\*\*\*

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
R11	Residential	60.0	60.0	60.0

Equipment			
Spec	Actual	Receptor	Estimated











Night		Calculated (dBA)		Day		Evening		Night		Day		Evening	
-----		-----		-----		-----		-----		-----		-----	
Equipment		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Lmax	Leq												
-----		-----		-----		-----		-----		-----		-----	
Dump Truck		71.6	67.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A												
Paver		72.3	69.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A												
Compactor (ground)		78.3	71.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A												
	Total	78.3	74.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A												

\*\*\*\* Receptor #9 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R9	Residential	60.0	60.0	60.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dump Truck	No	40		76.5	45.0	6.0
Paver	No	50		77.2	45.0	6.0
Compactor (ground)	No	20		83.2	45.0	6.0

Results

Exceedance (dBA)	Noise Limits (dBA)						Noise Limit						
	-----												
Night		Calculated (dBA)		Day		Evening		Night		Day		Evening	
-----		-----		-----		-----		-----		-----		-----	
Equipment		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Lmax	Leq												
-----		-----		-----		-----		-----		-----		-----	
Dump Truck		71.4	67.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A												
Paver		72.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A												
Compactor (ground)		78.1	71.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A												
	Total	78.1	74.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A												

\*\*\*\* Receptor #10 \*\*\*\*

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
R10	Residential	60.0	60.0	60.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dump Truck	No	40		76.5	90.0	6.0
Paver	No	50		77.2	90.0	6.0
Compactor (ground)	No	20		83.2	90.0	6.0

Results

Noise Limits (dBA) Noise Limit



## **APPENDIX G**

### **Final Mitigation Monitoring and Reporting Program**

**Long Beach Utilities Department**  
**Long Beach Utilities Department / Los Angeles Department of Water and Power**  
**Haynes Generating Station Recycled Water Pipeline Project**  
**Final Mitigation Monitoring and Reporting Program**

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
<b>Air Quality</b>						
<b>MM AQ-1</b>	<p><b>Fugitive Dust Control.</b>            During clearing, grading, earth moving, or excavation operations, excessive fugitive dust emissions shall be controlled by regular watering or other dust preventive measures using the following procedures, as specified in the SCAQMD Rule 403. All material excavated or graded shall be sufficiently watered in sufficient quantities to prevent the generation of visible dust plumes. Watering shall occur at least twice daily with complete coverage, preferably in the late morning and after work is done for the day. All material transported on-site or off-site shall be securely covered to prevent excessive amounts of dust. The area disturbed by clearing, grading, earth moving, or excavation operations shall be minimized so as to prevent excessive amounts of dust. The following control techniques shall be indicated in Project specifications:</p> <ul style="list-style-type: none"> <li>• Minimize land disturbance</li> <li>• Use watering trucks to minimize dust; watering should be sufficient</li> </ul>	Condition of Approval	Field Inspections, as Necessary	During Construction	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>to confine dust plumes to the Project work areas</p> <ul style="list-style-type: none"> <li>• Suspend grading and earth moving when wind gusts exceed 25 miles per hour unless the soil is wet enough to prevent dust plumes</li> <li>• Cover trucks when hauling dirt</li> <li>• Stabilize the surface of dirt piles if not removed immediately</li> <li>• Limit vehicular paths on unpaved surfaces and stabilize any temporary roads</li> <li>• Sweep paved streets where there is evidence of dirt that has been carried on to the roadway</li> <li>• Provide an operational water truck on-site at all times and use watering trucks to minimize dust; watering should be sufficient to confine dust plumes to the Project work areas.</li> </ul>					
<b>MM AQ-2</b>	<p><b>Exhaust Emissions Control.</b>                      The following measures shall be implemented as best management practices to minimize construction emissions:</p> <ul style="list-style-type: none"> <li>• Minimize unnecessary vehicular and machinery activities</li> </ul>	Condition of Approval	Field Inspections, as Necessary	During Construction	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<ul style="list-style-type: none"> <li>• Ensure that all construction equipment is properly tuned and maintained</li> <li>• Minimize idling time to 5 minutes, which saves fuel and reduces emissions</li> <li>• Utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary power generators.</li> </ul>					
<b>Biological Resources</b>						
<b>MM BIO-1</b>	<p><b>Vegetation Removal.</b>                      Vegetation removal activities will be scheduled outside of nesting bird (breeding) season for bird species known to occur within the Project area (October through December), if possible. If vegetation removal activities occur between January 1 and September 30, nesting bird surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if an active nest is present. Vegetation removal can occur once the nest is confirmed to be no longer active. If vegetation removal activities occur between September 16 and March 14, roosting monarch surveys will be conducted prior to vegetation removal activities, and no</p>	Condition of Approval	Species Surveys, as Necessary (between January and September; and between September and March)	During Construction Activities, Prior to Vegetation Removal Activities (January through September; and September through March)	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	vegetation removal will occur if monarch roosting sites are present. Vegetation removal can occur once a qualified biologist has confirmed that the overwintering monarchs have vacated the roosting site in the spring.					
<b>MM BIO-2</b>	<p><b>Species Surveys.</b></p> <ul style="list-style-type: none"> <li> <b>Burrowing Owl:</b> A qualified biologist will be employed to conduct breeding season burrowing owl surveys. CDFW protocol states to conduct four survey visits: 1) at least one site visit between February 15 and April 15, and 2) a minimum of three survey visits, at least three weeks apart, between April 15 and July 15, with at least one visit after June 15, occurring in all suitable habitat for the burrowing owl. Surveys will be needed along the portion of the Project alignment in the City of Seal Beach, California and south of College Park Drive including the landscaped area within SR 22 ROW and the HGS property. If active burrows (occupied by burrowing owl[s]) are identified, no Project activities will take place within 200 feet of an active                     </li> </ul>	Condition of Approval	Species Surveys, as Necessary	Prior to Project-related Ground Disturbing Activities and Vegetation Removal	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>burrow (occupied by burrowing owl[s]).</p> <ul style="list-style-type: none"> <li> <p>• <b>Crotch’s Bumble Bee.</b> Focused surveys for Crotch’s bumble bee will be conducted prior to construction by a qualified entomologist. A minimum of three surveys will be needed throughout the entire Project site prior to construction and shall occur at least two to four weeks apart. If Crotch’s bumble bee are detected, no work shall occur in that area until LBUD has coordinated with the CDFW to determine appropriate avoidance and minimization measures, and/or obtain necessary approvals. A qualified entomologist will be employed to complete a pre-construction survey for Crotch’s bumble bee during the appropriate flying season (April – August). Pre-construction surveys will be conducted within 48 hours prior to initial ground disturbance and vegetation removal.</p> </li> <li> <p>• <b>Monarch Butterfly.</b> Roosting monarch surveys will be conducted prior to construction by a qualified</p> </li> </ul>					

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>biologist. Surveys will be needed throughout the entire Project site. An overwintering grove habitat and impact assessment will be completed after the season appropriate surveys. If overwintering grove habitat is detected, no work shall occur in that area until LBUD has coordinated with the CDFW to determine appropriate avoidance and minimization measures, and/or obtain necessary approvals. If vegetation removal activities occur between September 16 and March 14, roosting monarch surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if monarch roosting sites are present. Vegetation removal can occur once a qualified biologist has confirmed that the overwintering monarchs have vacated the roosting site in the spring.</p>					
<b>MM BIO-3</b>	<p><b>Burrowing Owl Mitigation Plan.</b>                      If burrowing owls are detected during the project's survey efforts, the Project construction contractor shall prepare an Impact Assessment and Burrowing Owl Mitigation Plan in accordance with</p>	Condition of Approval	Burrowing Owl Surveys, as Necessary	Prior to Project-related Ground Disturbing Activities and	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	the 2012 Staff Report on Burrowing Owl Mitigation. The Project construction contractor shall contact CDFW to develop appropriate mitigation/management procedures. The Project construction contractor should submit a final Burrowing Owl Mitigation Plan to the City prior to the City issuing construction permits. No work should be conducted within the burrow until the offspring have fledged and left the burrow. Personnel working on the Project, including all contractors working on site, should be instructed on the presence of burrowing owls, restricted areas, and adherence to the buffer zone. No work should occur within the buffer zone. The specific buffer zone should be established in coordination with CDFW.			Vegetation Removal		
<b>Cultural Resources</b>						
<b>MM CUL-1</b>	<b>Retention of Qualified Archaeologist and Worker Training.</b> Prior to the issuance of a grading permit by the City of Long Beach, evidence shall be provided to the City and responsible agencies that a qualified archaeologist meeting the Secretary of the Interior’s Standards for professional archaeology (U.S. Secretary of the Interior 2008) has	Condition of Approval	Retention of Qualified Personnel	Prior to Ground Disturbing Activities, During Ground Disturbing Activities	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>been retained by the Applicant to conduct any required training, evaluation, or treatment of archaeological resources that might be encountered during implementation of the project. As part of this, prior to the start of grading, the qualified archaeologist shall conduct cultural resources sensitivity training for all construction personnel. Construction personnel must be informed of the types of archaeological resources that may be encountered (both prehistoric and historical), and of the proper procedures to be enacted in the event of an inadvertent discovery of archaeological resources or human remains. The Applicant must ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance. This documentation shall be made available to the City upon request.</p>					
<b>MM CUL-2</b>	<p><b>Treatment of Human Remains.</b>                      In accordance with California Health and Safety Code Section 7050.5, if human remains are found, the Los Angeles County Coroner shall be immediately notified of the discovery. No further excavation or disturbance of</p>	Condition of Approval	Coroner’s Report/Evaluation, as Necessary	During Construction	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>the site or any nearby area reasonably suspected to overlie adjacent remains (100 feet or as determined by the project archaeologist) shall occur until the procedures set forth in this measure have been implemented. If the County Coroner determines that the remains are, or are believed to be, Native American, the Coroner shall notify the Native American Heritage Commission (NAHC) within 24 hours. In accordance with California PRC Section 5097.98, the NAHC must immediately notify those persons it believes to be the Most Likely Descendant (MLD) from the deceased Native American. The MLD shall complete their inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition of the human remains.</p>					
<b>MM CUL-3</b>	<p><b>Archaeological Resource and/or Tribal Cultural Resource Discovery and Treatment.</b>                      In the event of the unanticipated discovery of archaeological or other cultural resources, whether discovered through Native American monitoring or not, all work activities in the area</p>	Condition of Approval	Cultural Resources Monitoring, as Necessary	During Construction	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>(within approximately 100 feet of the discovery) shall be halted or redirected until the discovery can be evaluated by a qualified archaeologist. Construction shall not resume until a qualified archaeologist has conferred with the City and responsible agencies and, in the case of prehistoric archaeological resources and tribal cultural resources, the Native American monitor, on the significance of the resource. If it is determined that the discovered archaeological resource and/or tribal cultural resource is significant under CEQA, avoidance and preservation in place shall be the preferred manner of mitigation, pursuant to PRC Section 21083.2(b) and Section 21084.3. Preservation in place may be accomplished by, but is not limited to, avoidance, incorporating the resource into open space, capping, or deeding the site into a permanent conservation easement. In the event that preservation in place is demonstrated to be infeasible and data recovery through excavation is the only feasible mitigation available, a Treatment Plan shall be prepared and implemented by a qualified archaeologist, in consultation with the City, that provides for the adequate recovery of</p>					

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>the scientifically consequential information contained in the archaeological resource or cultural information in the event of a tribal cultural resource. The City shall also consult with appropriate Native American representatives in determining treatment for prehistoric or Native American resources to ensure cultural values ascribed to the resources, beyond those that are scientifically important, are considered. Any evaluation and treatment shall be supervised by an individual or individuals that meet the Secretary of the Interior’s Professional Qualification Standards.</p>					
<b>Geology and Soils</b>						
<b>MM GEO-1</b>	<p><b>Paleontological Resources Inadvertent Discovery.</b>                      In the event paleontological resources are encountered during the course of ground disturbing activities, all such activities shall halt immediately. The applicant shall immediately notify the cities of Long Beach and/or Seal Beach and consult with a qualified paleontologist to assess the significance of the find.</p>	Condition of Approval	Paleontological Monitoring and Report, as Necessary	During Construction	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>The paleontological assessment shall be completed in accordance with the Society of Vertebrate Paleontology standards. If the find is identified as insignificant, no additional measures will be necessary. If the find is determined to be significant, appropriate avoidance measures recommended by the qualified paleontologist and approved by the cities of Long Beach and/or Seal Beach must be followed unless avoidance is determined infeasible. If avoidance is infeasible, other appropriate measures (e.g., data recovery, excavation, curation) as recommended by the qualified paleontologist shall be instituted.</p> <p>A qualified professional paleontologist is a professional with a graduate degree in paleontology, geology, or related field, with demonstrated experience in the vertebrate, invertebrate, or botanical paleontology of California, as well as at least one year full time professional experience, or equivalent specialized training in paleontological research (i.e., the identification of fossil deposits, application of paleontological field and laboratory procedures and techniques,</p>					

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	and curation of fossil specimens), and at least 4 months of supervised field and analytic experience in general North American paleontology.					
<b>Hazards and Hazardous Materials</b>						
<b>MM HAZ-1</b>	<p><b>Hazardous Materials Use, Storage, and Containment.</b>                      Implement the following mitigation measures during Project construction:</p> <ul style="list-style-type: none"> <li>• Provide methods, means and facilities required to prevent contamination of soil, water, or atmosphere by discharge of noxious substances from construction as well as operation and maintenance.</li> <li>• Provide equipment and personnel required to perform emergency measures required to contain spillages and to remove contaminated soils or liquids.</li> <li>• Excavate and properly dispose of contaminated soil off-site and replace with suitable compacted fill and topsoil.</li> <li>• Take measures to prevent harmful substances from entering public waters.</li> </ul>	Condition of Approval	Field Inspections, as Necessary	During Construction	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<ul style="list-style-type: none"> <li>○ Prevent disposal of wastes, effluents, chemicals, or other such substances near rivers, drainages, or in sanitary or storm sewers.</li> <li>● Provide systems for control of atmospheric pollutants.</li> <li>○ Prevent toxic concentrations of chemicals.</li> <li>○ Prevent harmful dispersal of pollutants into atmosphere.</li> <li>● Contractor's equipment used during construction as well as operation and maintenance shall conform to current Federal, State, and local laws, ordinances, regulations, and standards.</li> <li>● If paints containing Lead or Chromium are to be physically disturbed or made airborne during progress of Work by activities such as abrasive blasting, welding, cutting, or torch burning; provide appropriate protection in accordance with the OSHA Lead in Construction Standard and Title 8 California Code of Regulations (T8 CCR) Section 1532.1.</li> </ul>					

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<ul style="list-style-type: none"> <li>• Protect site to prevent leaks and spills of fuel, oil, solvents, grease and other chemicals onto ground or pavement.</li> <li>○ Regularly maintain equipment and vehicles during construction as well as operation and maintenance activities.</li> <li>○ Place containment beneath compressor, welding machines, and fuel/oil storage areas to capture spills (plastic sheeting with berms, portable butyl containments, etc).</li> <li>○ Place absorbent material on plastic sheeting, remove when saturated, and replace with fresh absorbent material.</li> <li>○ Monitor fueling and equipment servicing to prevent leaks and spills.</li> <li>○ Store absorbent material in dry condition on-site for cleanup of spills.</li> </ul>					
<b>Noise</b>						
<b>MM N-1</b>	<b>Noise Restrictions.</b>	Condition of Approval	Field Inspections, as Necessary	During Construction	Long Beach Utilities	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>Construction activities shall be limited to the hours of 7:00 AM and 7:00 PM on Monday through Friday. No construction shall be conducted on Saturdays, Sundays and City holidays unless otherwise approved by The Board of Water Commissioners of the City of Long Beach. If approved, construction activities on those days would be limited to the hours of 9:00 AM to 6:00 PM. All construction equipment shall use properly operating mufflers.</p>				Department / Project Applicant	
<b>Transportation</b>						
<b>MM TR-1</b>	<p><b>Prepare Standard Traffic Control Plan (TCP).</b>                      During the final engineering phase and at least 30 days prior to construction, a construction TCP shall be prepared by the contractor and reviewed and approved by the lead agency. All traffic control plans shall be provided to the City of Seal Beach and Caltrans for review. In addition, coordination with Caltrans shall occur regarding the Project's need for any Caltrans permits.</p> <p>The lane/street closures in the construction TCP shall be coordinated between the construction contractor, private businesses, public transit and</p>	Condition of Approval	Implementation and Plan Approval	Prior to Construction (approximately 30 days prior to construction)	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	bus operators, emergency service providers, and residents to minimize construction-related vehicular traffic impacts. During planned closures, traffic shall be re-routed to adjacent streets via clearly marked detours and notice shall be provided in advance to applicable parties (nearby residences, emergency service providers, public transit and bus operators, businesses, and organizers of special events). The TCP shall identify proposed closure schedules and detour routes, as well as construction traffic routes, including haul truck routes, and preferred delivery/haul-out location and hours to avoid heavily congested areas during peak hours, where feasible.					
<p><b>Tribal Cultural Resources</b>  <i>Mitigation Measure TCR-1, MM TCR-2, and MM TCR-3 were provided by the Gabrieleño Band of Mission Indians – Kizh Nation and apply to the monitoring and treatment by this tribe.</i></p>						
<b>MM TCR-1</b>	<p><b>Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities.</b>                      The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians – Kizh Nation. The monitor shall be retained prior to the commencement of any “ground-disturbing activity” for the subject</p>	Condition of Approval	Retention of Native American Monitor, as Necessary	Prior to Ground Disturbing Activities, Prior to Construction	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). “Ground-disturbing activity” shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching.</p> <p>A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the earlier of the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity.</p> <p>The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural</p>					

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or “TCR”), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe.</p> <p>On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh TCRs.</p>					
<b>MM TCR-2</b>	<p><b>Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial).</b></p> <p>Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e.,</p>	Condition of Approval	Native American Monitoring, as Necessary	During Construction	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural and/or historic purposes.</p>					
<b>MM TCR-3</b>	<p><b>Unanticipated Discovery of Human Remains and Associated Funerary or Ceremonial Objects.</b>                      Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in Public Resources Code Section 5097.98, are also to be treated according to this statute.</p> <p>If Native American human remains and/or grave goods are discovered or recognized on the project site, then Public Resource Code 5097.9 as well as Health and Safety Code Section 7050.5 shall be followed.</p>	Condition of Approval	Native American Monitoring, as Necessary	During Construction	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2).</p> <p>Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods.</p> <p>Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.</p>					
<p><b>Tribal Cultural Resources</b>  <i>Mitigation Measure TCR-4, MM TCR-5, and MM TCR-6 were provided by the Gabrielino Tongva Indians of California (GTIOC) and apply to the monitoring and treatment by this tribe.</i></p>						
<b>MM TCR-4</b>	<p><b>Retain a Native American Monitor.</b>                      A qualified and certified indigenous tribal member of Gabrielino Tongva Indians of California (GTIOC) and direct lineal descendant of the project site (NAGPRA section 10.14) to provide the professional Native American Monitoring required for only the ground disturbing activity on the site. Ground disturbances including but not limited to the removal of asphalt/cement/slurry, trenching, boring, excavation, auguring, grubbing, tree removal, grading and drilling will be monitored. The Tribal Monitor will</p>	Condition of Approval	Retention of Native American Monitor, as Necessary	Prior to Ground Disturbing Activities, During Ground Disturbing Activities	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>only be required on site when these ground disturbing activities occur.</p> <p>The GTIOC monitor will be responsible for observing all mechanical and hand labor excavations to include paddle scrapers, blade machines, front-end loaders, back hoe, boring and drill operations as well as hydraulic and electric chisels. Associated work using tools such as picks and other non-electric or gasoline tools that are not regarded as mechanical will be monitored for their soil disturbances.</p> <p>Soils that are removed from the work site are considered culturally sensitive and are subject to inspection. These soils whether placed in a dump truck or spots piles are to be inspected. The monitor will temporarily hold excavations until a determination is made on the sensitivity of the of the soil. If the soils are sensitive, an archeological monitor will verify the find and notify site supervisor.</p> <p>If any archaeological or paleontological, or cultural deposits, are discovered, including but not limited grave related artifacts, artifacts of traditional cultural, religious, or spiritual sites, or any other artifacts relating to the use or habitation sites, all construction shall</p>					

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>cease within at least 50 feet of the discovery and held until the proper authorities are contacted.</p> <p>The GTIOC monitor may make recommendations during the course of the project when a cultural area has been impacted. The GTIOC monitor will be authorized to halt or redirect excavation activities to another area as an assessment is made. Both archeological and GTIOC will work together to insure that the area is warranted as being culturally sensitive before a determination is made. Avoidance and directing an alternative route from this culturally sensitive area is highly recommended.</p> <p>Any artifacts associated within the site that are not associated with any burials are subject to collection by the designated archaeologist for purposes of data and information vital for their final report. The GTIOC monitor does not collect artifacts for any reason. Unauthorized removal of artifacts will jeopardize sites orientation and successful data recovery. Only a qualified archeologist will remove artifacts for their reports. The land owner will work with the GTIOC monitor to ensure that a proper</p>					

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>repository is established. A final report will be issued to the cultural consultant by the archeological company.</p> <p>It is the sole responsibility of the GTIOC monitor to provide the client with a written daily field report that includes photos of his/her accounting of the soil disturbances of the daily activities. This perspective of the daily activities by the GTIOC monitor will enhance the information gathered by the field archeologist. The daily report will include observations the GTIOC visually observed the project site at the beginning of each work day (i.e. weather conditions, overnight disturbances). Written daily monitoring reports will include daily observations on surface soil as well as disturbed soil. Photographic documentation is included in the daily reports. When project is completed, GTIOC will certify that work performed was done so within compliance of AB52 and SB18 within 5 days of completion of the Native American monitoring aspect of the project.</p>					
<b>MM TCR-5</b>	<b>Procedures for the treatment and disposition of human remains and associated grave goods at Gabrielino Tongva ancestral sites.</b>	Condition of Approval	Native American Monitoring, as Necessary	During Construction	Long Beach Utilities Department	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>Treatment plan for human remain discovery. The immediate cessation of work in the immediate vicinity will be implemented. The county coroner will be immediately contacted. California Health and Safety Code Sec. 7050.5 (a) Every person who knowingly mutilates or disinters, wantonly disturbs, or willfully removes any human remains in or from any location other than a dedicated cemetery without authority of law is guilty of a misdemeanor, except as provided in Section 5097.99 of the Public Resources Code.</p> <p>The county coroner and law enforcement, will evaluate and make a determination and a formal review of the find. The county coroner has the legal responsibility for determining whether or not the remains are native indigenous people.</p> <p>If it is established that the remains are of native indigenous people, the coroner has 24 hours to contact the Native American Heritage Commission (NAHC).</p> <p>A Most Likely Descendent (MLD) will be assigned by the NAHC to ensure the ancestor(s) will be treated with dignity and respect and shall complete their</p>				/ Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>inspection and make recommendations or preferences for treatment within 48 hours (California Public Resources Code Sec. 5097.98).</p> <p><i>***The MLD may not be a Native American Monitor assigned to monitor the site where human remains were unearthed. GTIOC deems that to be a conflict of interest.***</i></p> <p>A certified osteologist will be retained to verify the human remains authenticity and work to help remove the ancestor(s) from the site area with the discretion and advise from the MLD. The GTIOC monitor(s) assigned to the project will assist the osteologist and archeological monitors in the recovery process. The MLD will determine where the ancestors will be housed pending a final decision for the reinterment of the ancestor(s).</p> <p>Confidentiality. Any and all information provided about the location of an archeological or sacred site by our GTIOC cultural consultant will not be disclosed reproduced both digitally or on paper. Furthermore, the location must not be published for public viewing which includes any reports either preliminary or final and must be</p>					

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	kept confidential to maintain the integrity and compliance of the archeological or sacred site.					
<b>MM TCR-6</b>	<p><b>Recovery and Reburial Procedures.</b>                      The Gabrielino Tongva Indians of California (GTIOC) has a goal to ensure your project falls under the compliancy guidelines that have been established by Assembly Bill 52. GTIOC is recognized by the Native American Heritage Commission and is fully qualified for the intricacies of Recovery and Reburial. In addition, we want to preserve our family’s human remains and associated grave goods at ancestral sites while engaging in a meaningful and productive relationship with your team. We appreciate the opportunity to work with you in accomplishing the aforementioned.</p> <p>Specific methods of recovery and reburial procedures have been developed and adopted by the Gabrielino Tongva Indians of California and are required to adhere to when recovering Gabrielino Tongva remains. Conditions may arise where altering some of these guidelines will be considered. Consultation with the Most Likely Descendant (MLD) and the GTIOC monitor(s) assigned to the site should</p>	Condition of Approval	Native American Monitoring, as Necessary	Prior to Ground Disturbing Activities, During Ground Disturbing Activities	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>then be scheduled to determine other procedures that may be acceptable to the Gabrielino Tongva Indians of California Nation.</p> <p>Excavation:</p> <ol style="list-style-type: none"> <li>1. Consultation between the MLD and the archeological firm must take place before the the recovery of the remains and during the process of extraction.</li> <li>2. A 50 foot perimeter for each uncovered burial will be required to safeguard further destruction until the area is examined for additional remains and associated grave goods.</li> <li>3. In the event blade machines are operating in an adjacent area, a maximum of 2" cuts or less will be permitted in all cultural areas.</li> <li>4. If more than one area is being excavated for extraction of remains simultaneously, an additional GTIOC must be required. Each excavated burial will be monitored exclusively.</li> <li>5. Wooden tools are preferred for process of recovery; electric chisels</li> </ol>					

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>and other power tools should be avoided.</p> <p>6. If remains are pedestaled, they will be placed on plywood for removal. If remains cannot be pedestaled due to soil conditions, remains just be carefully placed in cloth bags.</p> <p>7. Soils adjacent to burials will be saved for reburial in plastic containers.</p> <p>8. No photography (both film and digital) or video is allowed to be taken of the remains or the site. Drawings of remains are permitted to retain the orientation of the ancestors for reinterment purposes only. Coroner photographs of the remains may not be published for any purpose.</p> <p>Testing:</p> <p>1. DNA testing cannot be undertaken.</p> <p>2. No invasive testing which would compromise the integrity of the remains is permitted.</p> <p>3. Macroscopic analysis is permitted.</p> <p>4. Any associated grave goods (such as shell) may be used for dating purposes of each burial.</p>					

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>5. When remains are unearthed, the 1'X 1' test pits will be allowed to establish the extent of the burial area when necessary.</p> <p>6. All windrows within a 50 foot area must be screened (either wet or dry).</p> <p>Storage:</p> <p>1. Natural cotton bags and sheeting or cotton drop cloths will be used to store remains until the time of reinterment. Deer or other native hides may be used to cover the bagged and wrapped remains until the reburial and may become the burial wrapping.</p> <p>2. Bone fragments are also subject to be bagged in cotton.</p> <p>3. Until the scope of the project is completed, storage of ancestors should be done in close proximity to location of excavation or protected area must be provided by landowner or archeologist.</p> <p>Reburial:</p> <p>1. Efforts should be made to keep the remains within the same location or in close proximity to the removal site as possible. It is preferable to</p>					

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>repatriate the remains within a 1/2 mile radius of the original grave site. If it is not possible to identify a proper location within the 1/2 mile radius, a secure location will be valued over distance.</p> <ol style="list-style-type: none"> <li>2. If the preponderance of remains is uncovered in or excavated from one area, the reinterment should be in that area.</li> <li>3. The reburial site should offer the best long-term protection against any additional disturbances.</li> <li>4. Each reburial requires approximately 4' X 5 1/2' when fully articulated and should be at a depth of 6-10 feet. The purpose of this depth is to ensure difficulty in disturbing the reburial and to allow adequate room for capping if necessary.</li> <li>5. Any isolated bone fragments uncovered on site may be buried together in an individual burial pit with indigenous animal skins, sea weed, or the cotton cloth used for all bagged fragments.</li> </ol>					

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>6. All associated grave goods and artifacts along with soils will be buried together with the ancestors.</p> <p>7. No drawings of any other images of ancestral remains may be used for publication without consultation and the approval of the GTIOC monitors and appointed MLD for the site.</p> <p>Costs:</p> <p>1. The landowner(s) will be responsible for all costs related to the proper storage and reburial of remains excavated on their property to include all burial materials as required in these procedure guidelines.</p> <p>2. Landowner(s) will be financially responsible for providing reburial plots that are acceptable by the MLD.</p>					
<p><b>Tribal Cultural Resources</b>  <i>Mitigation Measure TCR-7 was agreed to by the Juaneno Band of Mission Indians Acjachemen Nation – Belardes and apply to the monitoring and treatment by this tribe.</i></p>						
<b>MM TCR-7</b>	<p><b>Native American Monitoring.</b>                      A Native American monitor from the tribe or tribes identified as a consulting party for the project under AB 52 shall be present during all earth-moving construction activities. The Native</p>	Condition of Approval	Retention of Native American Monitor, as Necessary	Prior to Ground Disturbing Activities,	Long Beach Utilities Department / Project Applicant	

No.	Mitigation Measure	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	<p>American monitor shall be given the opportunity to participate in the cultural resources sensitivity training described in the CUL-1 mitigation measure. At least 30 days prior to issuance of grading permits by the City of Long Beach for each of the individual sites and any off-site improvements, a Native American Monitoring Agreement (Monitoring Agreement) shall be developed between the City and responsible agency, as applicable, and the consulting party. The Monitoring Agreement shall pertain to prehistoric archaeological resources and Tribal cultural resources, respectively, and shall identify any monitoring requirements and treatment of cultural resources to meet both the requirements of CEQA and those of the Tribal representative. The Monitoring Agreement shall also address communication protocols in the event of an unanticipated discovery of cultural materials, and the roles, responsibilities, and authorities of the Native American Monitor. The Monitoring Agreement shall also detail the protocols for treatment and final disposition of any Native American cultural resources, sacred sites, and human remains discovered on the site</p>			<p>During Ground Disturbing Activities</p>		

<b>No.</b>	<b>Mitigation Measure</b>	<b>Implementation Action</b>	<b>Method of Verification</b>	<b>Timing of Verification</b>	<b>Responsible Person</b>	<b>Verification Date</b>
	that the Native American Monitor shall implement in consultation and coordination with the Native American Most Likely Descendant, as identified by the NAHC. In accordance with the mitigation measure below, discovery and treatment of human remains shall comply with State Health and Safety Code Section 7050.5 and PRC Section 5097.98.					

## **APPENDIX H**

### **AB 52 Consultation Summary Information**

**Long Beach Utilities Department**  
**Los Angeles Department of Water and Power Haynes Generating Station Recycled Water Pipeline Project**  
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CEQA Jurisdiction (CA)	Tribal Entity	AB 52 Letter Tribal Recipient(s)	Date/Location of Correspondence Meeting	Tribal Representative Name	Tribal Representative Comments	Outcome of Meeting-Responsible Entity(ies) and Further Action(s) Needed	Action Status (including anticipated completion date) OR Action Completed (Entity and Dates)
Long Beach	Gabrieleno Band of Mission Indians - Kizh Nation	<b>Andrew Salas, Chairperson</b> P.O. Box 393 Covina, CA, 91723 Phone: (626) 926 - 4131 <a href="mailto:admin@gabrielenoindians.org">admin@gabrielenoindians.org</a>	04/06/2023 – AB-52 Consultation letter  04/06/2023 – e-mail with letter  04/12/2023 – e-mail  07/13/2023 – meeting (virtual)	Andrew Salas  Andrew Salas  Admin Specialist, Gabrieleno Band of Mission Indians  Andrew Salas	  04/06/2023 letter from Mr. Salas requested to schedule consultation meeting with City of Long Beach.  04/12/2023 e-mail from Admin Specialist requesting confirmation of meeting scheduled for July 13, 2023, at 1:00 pm  Mr. Salas stated during the 07/13/2023 meeting that the mitigation measures included in the AB 52 consultation letter were adequate.	  04/06/2023: meeting to be scheduled by Long Beach    07/13/2023 meeting: mitigation measure(s) need to be added to IS/MND to address the need for the presence of a Native American Monitor during ground disturbing activities and to outline protocols for inadvertent discoveries encountered by Native American monitors during construction.	ALL COMMENTS ADDRESSED; MM TCR-1: Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities, MM TCR-2: Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial), and MM TCR-3: Unanticipated Discovery of Human Remains and Associated Funerary or Ceremonial Objects, added to Section 4.18, Tribal Cultural Resources. MM CUL-1, Retention of Qualified Archaeologist and Worker Training, was also added to Section 4.5, Cultural Resources. MM CUL-2 and MM CUL-3 also updated to include language specified in AB 52 letter regarding treatment/disposition of human remains. (AZTEC, 1/4/2024)
Long Beach	Gabrieleno/Tongva San Gabriel Band of Mission Indians	<b>Anthony Morales, Chairperson</b> P.O. Box 693 San Gabriel, CA, 91778 Phone: (626) 483-3564 Fax: (626) 286-1262 <a href="mailto:GTribalcouncil@aol.com">GTribalcouncil@aol.com</a>	04/06/2023 – AB 52 consultation letter	N/A	N/A	N/A	N/A

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CEQA Jurisdiction (CA)	Tribal Entity	AB 52 Letter Tribal Recipient(s)	Date/Location of Correspondence Meeting	Tribal Representative Name	Tribal Representative Comments	Outcome of Meeting-Responsible Entity(ies) and Further Action(s) Needed	Action Status (including anticipated completion date) OR Action Completed (Entity and Dates)
Long Beach	Gabrielino/Tongva Nation	<b>Sandone Goad, Chairperson</b> 106 1/2 Judge John Aiso St., #231 Los Angeles, CA, 90012 Phone: (951) 807-0479 <a href="mailto:sgoad@gabrielino-tongva.com">sgoad@gabrielino-tongva.com</a>	04/06/2023 – AB 52 consultation letter	N/A	N/A	N/A	N/A
Long Beach	Gabrielino Tongva Indians of California Tribal Council (GTIOC)	<b>Robert Dorame, Chairperson</b> P.O. Box 490 Bellflower, CA, 90707 Phone: (562) 761 - 6417 Fax: (562) 761-6417 <a href="mailto:gtongva@gmail.com">gtongva@gmail.com</a>  <b>Christina Conley, Tribal Consultant and Administrator</b> P.O. Box 941078 Simi Valley, CA, 93094 Phone: (626) 407-8761 <a href="mailto:christina.marsden@alumni.usc.edu">christina.marsden@alumni.usc.edu</a>	04/06/2023 – AB 52 consultation letter  04/13/2023 – meeting (virtual)  04/14/2023 – e-mail	Christina Conley  Christina Conley	Ms. Conley stated during the 04/13/2023 meeting that the mitigation measures included in the AB 52 consultation letter were adequate.  Follow-up e-mail from Ms. Conley (04/14/2023) included the GTIOC Tribal Cultural Resources Treatment Plan (TCRP) and specified that a monitoring rotation can be implemented in cases where multiple tribes have requested the presence of a Native American monitor during ground disturbing activities.	04/13/2023 meeting: Mitigation measure needs to be added to IS/MND to address the need for the presence of a Native American Monitor during ground disturbing activities, following protocol outlined in the GTIOC TCRP  04/14/2023 e-mail: add information to mitigation measure regarding implementation of a monitoring rotation and include pertinent language from GTIOC TCRP.	ALL COMMENTS ADDRESSED; MM TCR-4: Retain a Native American Monitor, MM TCR-5: Procedures for the treatment and disposition of human remains and associated grave goods at Gabrielino Tongva ancestral sites, and MM TCR-6: Recovery and Reburial Procedures, added to Section 4.18, Tribal Cultural Resources. MM CUL-1, Retention of Qualified Archaeologist and Worker Training, was also added to Section 4.5, Cultural Resources. MM CUL-2 and MM CUL-3 also updated to include language specified in AB 52 letter regarding treatment/disposition of human remains. (AZTEC, 1/4/2024)

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CEQA Jurisdiction (CA)	Tribal Entity	AB 52 Letter Tribal Recipient(s)	Date/Location of Correspondence Meeting	Tribal Representative Name	Tribal Representative Comments	Outcome of Meeting-Responsible Entity(ies) and Further Action(s) Needed	Action Status (including anticipated completion date) OR Action Completed (Entity and Dates)
Long Beach	Gabrielino-Tongva Tribe	<b>Charles Alvarez</b> 23454 Vanowen Street West Hills, CA, 91307 Phone: (310) 403-6048 <a href="mailto:roadkingcharles@aol.com">roadkingcharles@aol.com</a>	04/06/2023 – AB 52 consultation letter  04/13/2023 – meeting (virtual)  04/14/2023 – closing consultation letter/e-mail	Charles Alvarez  Charles Alvarez  Charles Alvarez	  Mr. Alvarez stated during the 04/13/2023 meeting that the mitigation measures included in the AB 52 consultation letter were adequate.  Mr. Alvarez provided GTIOC TCRP as part of closing consultation.	04/13/2023 meeting: mitigation measure(s) need to be added to IS/MND to address the need for the presence of a Native American Monitor during ground disturbing activities and to outline protocols for inadvertent discoveries encountered by Native American monitors during construction.	ALL COMMENTS ADDRESSED; MM TCR-1 through MM TCR-7 added to Section 4.18, Tribal Cultural Resources. MM CUL-1, Retention of Qualified Archaeologist and Worker Training, was also added to Section 4.5, Cultural Resources. MM CUL-2 and MM CUL-3 also updated to include language specified in AB 52 letter regarding treatment/disposition of human remains. (AZTEC, 1/4/2024)
Long Beach	Juaneno Band of Mission Indians Acjachemen Nation - Belardes	<b>Matias Belardes, Chairperson</b> 32161 Avenida Los Amigos San Juan Capistrano, CA, 92675 Phone: (949) 293-8522 <a href="mailto:kaamalam@gmail.com">kaamalam@gmail.com</a>  <b>Joyce Perry, Tribal Manager</b> 4955 Paseo Segovia Irvine, CA, 92603 Phone: (949) 293-8522 <a href="mailto:kaamalam@gmail.com">kaamalam@gmail.com</a>	04/06/2023 – AB 52 consultation letter  04/28/2023 – e-mail  05/30/2023 – e-mail	Joyce Perry  Joyce Perry  Joyce Perry	  Initial response e-mail from Ms. Perry (04/28/2023) requested a copy of the CHRIS records search results, and requested the “retention of a monitor representing the Juaneno Band of Mission Indians, Acjachemen Nation – Belardes” due to sensitivity of the area to the tribe.  Ms. Perry responded via e-mail on 05/30/2023 and reiterated the request for a mitigation measure requiring	04/28/2023 e-mail: Mitigation measure(s) need to be added to IS/MND to address the need for the presence of a Native American Monitor from the Juaneno Band of Mission Indians, Acjachemen Nation – Belardes tribe during ground disturbing activities; City of Long Beach to send CHRIS records search results for Sewer Project, no request was made for CHRIS records for HGS RW Project.  05/30/2023 e-mail: mitigation measure(s) need to be added to IS/MND to address the need for	ALL COMMENTS ADDRESSED; CHRIS records search results were conveyed on May 10, 2023 for Sewer Project. MM TCR-7: Native American Monitoring, added to Section 4.18, Tribal Cultural Resources. MM CUL-1, Retention of Qualified Archaeologist and Worker Training, was also added to Section 4.5, Cultural Resources. MM CUL-2 and MM CUL-3 also updated to include language specified in AB 52 letter regarding treatment/disposition of human remains. (AZTEC, 1/4/2024)

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CEQA Jurisdiction (CA)	Tribal Entity	AB 52 Letter Tribal Recipient(s)	Date/Location of Correspondence Meeting	Tribal Representative Name	Tribal Representative Comments	Outcome of Meeting-Responsible Entity(ies) and Further Action(s) Needed	Action Status (including anticipated completion date) OR Action Completed (Entity and Dates)
					the presence of a Native American (Juaneno) monitor.	the presence of a Native American Monitor during ground disturbing activities.	
Long Beach	Juaneno Band of Mission Indians Acjachemen Nation 84A	<b>Heidi Lucero, Chairperson</b> 31411-A La Matanza Street San Juan Capistrano, CA, 92675 Phone: (562) 879-2884 <a href="mailto:hllucero105@gmail.com">hllucero105@gmail.com</a>	04/06/2023 – AB 52 consultation letter	N/A	N/A	N/A	N/A
Long Beach	Santa Rosa Band of Cahuilla Indians	<b>Lovina Redner, Tribal Chair</b> P.O. Box 391820 Anza, CA, 92539 Phone: (951) 659 - 2700 Fax: (951) 659-2228 <a href="mailto:lsaul@santarosa-nsn.gov">lsaul@santarosa-nsn.gov</a>	04/06/2023 – AB 52 consultation letter	N/A	N/A	N/A	

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CEQA Jurisdiction (CA)	Tribal Entity	AB 52 Letter Tribal Recipient(s)	Date/Location of Correspondence Meeting	Tribal Representative Name	Tribal Representative Comments	Outcome of Meeting-Responsible Entity(ies) and Further Action(s) Needed	Action Status (including anticipated completion date) OR Action Completed (Entity and Dates)
Long Beach	Soboba Band of Luiseno Indians	<b>Isaiah Vivanco, Chairperson</b> P. O. Box 487 San Jacinto, CA, 92581 Phone: (951) 654-5544 Fax: (951) 654-4198 <a href="mailto:ivivanco@soboba-nsn.gov">ivivanco@soboba-nsn.gov</a>  <b>Joseph Ontiveros, Cultural Resource Department</b> P.O. BOX 487 San Jacinto, CA, 92581 Phone: (951) 663-5279 Fax: (951) 654-4198 <a href="mailto:jontiveros@soboba-nsn.gov">jontiveros@soboba-nsn.gov</a>	04/06/2023 – AB 52 consultation letter	N/A	N/A	N/A	N/A
Seal Beach*	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NOTES

\*Seal Beach confirmed the AB 52 list for the Project’s Area of Potential Effect was sufficient. No other tribal entities under Seal Beach jurisdiction were included as part of the Project’s AB 52 consultation.

In accordance with the mitigation measures included in the AB 52 consultation letters and the results of AB 52 consultation, the following measures were incorporated into Sections 4.5 (MM CUL-1 through MM CUL-3) and 4.18 (MM TCR-1 through MM TCR-7) of the IS/MND (dated 1/4/2024):

**MM CUL-1: Retention of Qualified Archaeologist and Worker Training.** Prior to the issuance of a grading permit by the City of Long Beach, evidence shall be provided to the City and responsible agencies that a qualified archaeologist meeting the Secretary of the Interior’s Standards for professional archaeology (U.S. Secretary of the Interior 2008) has been retained by the Applicant to conduct any required training, evaluation, or treatment of archaeological resources that might be encountered during implementation of the project. As part of this, prior to the start of grading, the qualified archaeologist shall conduct cultural resources sensitivity training for all construction personnel. Construction personnel must be informed of the types of archaeological resources that may be encountered (both prehistoric and historical), and of the proper procedures to be enacted in the event of an inadvertent discovery of archaeological resources or human remains. The Applicant must ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance. This documentation shall be made available to the City upon request.

**MM CUL-2: Treatment of Human Remains.** In accordance with California Health and Safety Code Section 7050.5, if human remains are found, the Los Angeles County Coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains (100 feet or as determined by the project archaeologist) shall occur until the procedures set forth in this measure have been implemented. If the County Coroner determines that the remains are, or are believed to be, Native American, the Coroner shall notify the Native American Heritage Commission (NAHC) within 24 hours. In accordance with California PRC Section 5097.98, the NAHC must immediately notify those persons it believes to be the Most Likely Descendant (MLD) from the deceased Native American. The MLD shall complete their inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition of the human remains.

**MM CUL-3: Archaeological Resource and/or Tribal Cultural Resource Discovery and Treatment.** In the event of the unanticipated discovery of archaeological or other cultural resources, whether discovered through Native American monitoring or not, all work activities in the area (within approximately 100 feet of the discovery) shall be halted or redirected until the discovery can be evaluated by a qualified archaeologist. Construction shall not resume until a qualified archaeologist has conferred with the City and responsible agencies and, in the case of prehistoric archaeological resources and tribal cultural resources, the Native American monitor, on the significance of the resource. If it is determined that the discovered archaeological resource and/or tribal cultural resource is significant under CEQA, avoidance and preservation in place shall be the preferred manner of mitigation, pursuant to PRC Section 21083.2(b) and Section 21084.3. Preservation in place may be accomplished by, but is not limited to, avoidance, incorporating the resource into open space, capping, or deeding the site into a permanent conservation easement. In the event that preservation in place is demonstrated to be infeasible and data recovery through excavation is the only feasible mitigation available, a Treatment Plan shall be prepared and implemented by a qualified archaeologist, in consultation with the City, that

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provides for the adequate recovery of the scientifically consequential information contained in the archaeological resource or cultural information in the event of a tribal cultural resource. The City shall also consult with appropriate Native American representatives in determining treatment for prehistoric or Native American resources to ensure cultural values ascribed to the resources, beyond those that are scientifically important, are considered. Any evaluation and treatment shall be supervised by an individual or individuals that meet the Secretary of the Interior's Professional Qualification Standards.

**Mitigation measure TCR-1, MM TCR-2, and MM TCR-3 were provided by the Gabrieleño Band of Mission Indians – Kizh Nation and apply to the monitoring and treatment by this tribe:**

**MM TCR-1: Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities.** The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians – Kizh Nation. The monitor shall be retained prior to the commencement of any "ground-disturbing activity" for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). "Ground-disturbing activity" shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching.

A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the earlier of the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity.

The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe.

On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh TCRs.

**MM TCR-2: Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial).** Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural and/or historic purposes.

**MM TCR-3: Unanticipated Discovery of Human Remains and Associated Funerary or Ceremonial Objects.** Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in Public Resources Code Section 5097.98, are also to be treated according to this statute.

If Native American human remains and/or grave goods are discovered or recognized on the project site, then Public Resource Code 5097.9 as well as Health and Safety Code Section 7050.5 shall be followed.

Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2).

Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods.

Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.

**Mitigation measure TCR-4, MM TCR-5, and MM TCR-6 were provided by the Gabrielino Tongva Indians of California (GTIOC) and apply to the monitoring and treatment by this tribe:**

**MM TCR-4: Retain a Native American Monitor.** A qualified and certified indigenous tribal member of Gabrielino Tongva Indians of California (GTIOC) and direct lineal descendant of the project site (NAGPRA section 10.14) to provide the professional Native American Monitoring required for only the *ground disturbing activity* on the site. Ground disturbances including but not limited to the removal of asphalt/cement/slurry, trenching, boring, excavation, auguring, grubbing, tree removal, grading and drilling will be monitored. The Tribal Monitor will only be required on site when these ground disturbing activities occur.

The GTIOC monitor will be responsible for observing all mechanical and hand labor excavations to include paddle scrapers, blade machines, front-end loaders, back hoe, boring and drill operations as well as hydraulic and electric chisels. Associated work using tools such as picks and other non-electric or gasoline tools that are not regarded as mechanical will be monitored for their soil disturbances.

Soils that are removed from the work site are considered culturally sensitive and are subject to inspection. These soils whether placed in a dump truck or spots piles are to be inspected. The monitor will temporarily hold excavations until a determination is made on the sensitivity of the of the soil. If the soils are sensitive, an archeological monitor will verify the find and notify site supervisor.

If any archaeological or paleontological, or cultural deposits, are discovered, including but not limited grave related artifacts, artifacts of traditional cultural, religious, or spiritual sites, or any other artifacts relating to the use or habitation sites, all construction shall cease within at least 50 feet of the discovery and held until the proper authorities are contacted.

The GTIOC monitor may make recommendations during the course of the project when a cultural area has been impacted. The GTIOC monitor will be authorized to halt or redirect excavation activities to another area as an assessment is made. Both archeological and GTIOC will work together to insure that the area is warranted as being culturally sensitive before a determination is made. Avoidance and directing an alternative route from this culturally sensitive area is highly recommended.

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Any artifacts associated within the site that are not associated with any burials are subject to collection by the designated archaeologist for purposes of data and information vital for their final report. The GTIOC monitor does not collect artifacts for any reason. Unauthorized removal of artifacts will jeopardize sites orientation and successful data recovery. Only a qualified archeologist will remove artifacts for their reports. The land owner will work with the GTIOC monitor to ensure that a proper repository is established. A final report will be issued to the cultural consultant by the archeological company.

It is the sole responsibility of the GTIOC monitor to provide the client with a written daily field report that includes photos of his/her accounting of the soil disturbances of the daily activities. This perspective of the daily activities by the GTIOC monitor will enhance the information gathered by the field archeologist. The daily report will include observations the GTIOC visually observed the project site at the beginning of each work day (i.e. weather conditions, overnight disturbances). Written daily monitoring reports will include daily observations on surface soil as well as disturbed soil. Photographic documentation is included in the daily reports. When project is completed, GTIOC will certify that work performed was done so within compliance of AB52 and SB18 within 5 days of completion of the Native American monitoring aspect of the project.

**MM TCR-5: Procedures for the treatment and disposition of human remains and associated grave goods at Gabrielino Tongva ancestral sites.** Treatment plan for human remain discovery. The immediate cessation of work in the immediate vicinity will be implemented. The county coroner will be immediately contacted. California Health and Safety Code Sec. 7050.5 (a) Every person who knowingly mutilates or disinters, wantonly disturbs, or willfully removes any human remains in or from any location other than a dedicated cemetery without authority of law is guilty of a misdemeanor, except as provided in Section 5097.99 of the Public Resources Code.

The county corner and law enforcement, will evaluate and make a determination and a formal review of the find. The county coroner has the legal responsibility for determining whether or not the remains are native indigenous people.

If it is established that the remains are of native indigenous people, the coroner has 24 hours to contact the Native American Heritage Commission (NAHC).

A Most Likely Descendent (MLD) will be assigned by the NAHC to ensure the ancestor(s) will be treated with dignity and respect and shall complete their inspection and make recommendations or preferences for treatment within 48 hours (California Public Resources Code Sec. 5097.98).

*\*\*\*The MLD may not be a Native American Monitor assigned to monitor the site where human remains were unearthed. GTIOC deems that to be a conflict of interest.\*\*\**

A certified osteologist will be retained to verify the human remains authenticity and work to help remove the ancestor(s) from the site area with the discretion and advise from the MLD. The GTIOC monitor(s) assigned to the project will assist the osteologist and archeological monitors in the recovery process. The MLD will determine where the ancestors will be housed pending a final decision for the reinterment of the ancestor(s).

Confidentiality. Any and all information provided about the location of an archeological or sacred site by our GTIOC cultural consultant will not be disclosed reproduced both digitally or on paper. Furthermore, the location must not be published for public viewing which includes any reports either preliminary or final and must be kept confidential to maintain the integrity and compliance of the archeological or sacred site.

**MM TCR-6: Recovery and Reburial Procedures.** The Gabrielino Tongva Indians of California (GTIOC) has a goal to ensure your project falls under the compliancy guidelines that have been established by Assembly Bill 52. GTIOC is recognized by the Native American Heritage Commission and is fully qualified for the intricacies of Recovery and Reburial. In addition, we want to preserve our family's human remains and associated grave goods at ancestral sites while engaging in a meaningful and productive relationship with your team. We appreciate the opportunity to work with you in accomplishing the aforementioned.

Specific methods of recovery and reburial procedures have been developed and adopted by the Gabrielino Tongva Indians of California and are required to adhere to when recovering Gabrielino Tongva remains. Conditions may arise where altering some of these guidelines will be considered. Consultation with the Most Likely Descendant (MLD) and the GTIOC monitor(s) assigned to the site should then be scheduled to determine other procedures that may be acceptable to the Gabrielino Tongva Indians of California Nation.

Excavation:

1. Consultation between the MLD and the archeological firm must take place before the recovery of the remains and during the process of extraction.
2. A 50 foot perimeter for each uncovered burial will be required to safeguard further destruction until the area is examined for additional remains and associated grave goods.
3. In the event blade machines are operating in an adjacent area, a maximum of 2" cuts or less will be permitted in all cultural areas.
4. If more than one area is being excavated for extraction of remains simultaneously, an additional GTIOC must be required. Each excavated burial will be monitored exclusively.
5. Wooden tools are preferred for process of recovery; electric chisels and other power tools should be avoided.
6. If remains are pedestaled, they will be placed on plywood for removal. If remains cannot be pedestaled due to soil conditions, remains just be carefully placed in cloth bags.
7. Soils adjacent to burials will be saved for reburial in plastic containers.
8. No photography (both film and digital) or video is allowed to be taken of the remains or the site. Drawings of remains are permitted to retain the orientation of the ancestors for reinterment purposes only. Coroner photographs of the remains may not be published for any purpose.

Testing:

1. DNA testing cannot be undertaken.
2. No invasive testing which would compromise the integrity of the remains is permitted.

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3. Macroscopic analysis is permitted.
4. Any associated grave goods (such as shell) may be used for dating purposes of each burial.
5. When remains are unearthened, the 1'X 1' test pits will be allowed to establish the extent of the burial area when necessary.
6. All windrows within a 50 foot area must be screened (either wet or dry).

**Storage:**

1. Natural cotton bags and sheeting or cotton drop cloths will be used to store remains until the time of reinterment. Deer or other native hides may be used to cover the bagged and wrapped remains until the reburial and may become the burial wrapping.
2. Bone fragments are also subject to be bagged in cotton.
3. Until the scope of the project is completed, storage of ancestors should be done in close proximity to location of excavation or protected area must be provided by landowner or archeologist.

**Reburial:**

1. Efforts should be made to keep the remains within the same location or in close proximity to the removal site as possible. It is preferable to repatriate the remains within a 1/2 mile radius of the original grave site. If it is not possible to identify a proper location within the 1/2 mile radius, a secure location will be valued over distance.
2. If the preponderance of remains is uncovered in or excavated from one area, the reinterment should be in that area.
3. The reburial site should offer the best long-term protection against any additional disturbances.
4. Each reburial requires approximately 4' X 5 1/2' when fully articulated and should be at a depth of 6-10 feet. The purpose of this depth is to ensure difficulty in disturbing the reburial and to allow adequate room for capping if necessary.
5. Any isolated bone fragments uncovered on site may be buried together in an individual burial pit with indigenous animal skins, sea weed, or the cotton cloth used for all bagged fragments.
6. All associated grave goods and artifacts along with soils will be buried together with the ancestors.
7. No drawings of any other images of ancestral remains may be used for publication without consultation and the approval of the GTIOC monitors and appointed MLD for the site.

**Costs:**

1. The landowner(s) will be responsible for all costs related to the proper storage and reburial of remains excavated on their property to include all burial materials as required in these procedure guidelines.
2. Landowner(s) will be financially responsible for providing reburial plots that are acceptable by the MLD.

***Mitigation measure TCR-7 was agreed to by the Juaneno Band of Mission Indians Acjachemen Nation – Belardes and apply to the monitoring and treatment by this tribe:***

**MM TCR-7: Native American Monitoring.** A Native American monitor from the tribe or tribes identified as a consulting party for the project under AB 52 shall be present during all earth-moving construction activities. The Native American monitor shall be given the opportunity to participate in the cultural resources sensitivity training described in the CUL-1 mitigation measure. At least 30 days prior to issuance of grading permits by the City of Long Beach for each of the individual sites and any off-site improvements, a Native American Monitoring Agreement (Monitoring Agreement) shall be developed between the City and responsible agency, as applicable, and the consulting party. The Monitoring Agreement shall pertain to prehistoric archaeological resources and Tribal cultural resources, respectively, and shall identify any monitoring requirements and treatment of cultural resources to meet both the requirements of CEQA and those of the Tribal representative. The Monitoring Agreement shall also address communication protocols in the event of an unanticipated discovery of cultural materials, and the roles, responsibilities, and authorities of the Native American Monitor. The Monitoring Agreement shall also detail the protocols for treatment and final disposition of any Native American cultural resources, sacred sites, and human remains discovered on the site that the Native American Monitor shall implement in consultation and coordination with the Native American Most Likely Descendant, as identified by the NAHC. In accordance with the mitigation measure below, discovery and treatment of human remains shall comply with State Health and Safety Code Section 7050.5 and PRC Section 5097.98.

**APPENDIX I**

**Public Review Draft IS/MND – Response to Comments**

**Long Beach Utilities Department/  
Los Angeles Department of Water and Power  
Haynes Generating Station Recycled Water  
Pipeline Project**

**Initial Study/  
Mitigated Negative Declaration – Response to  
Comments**

**SCH #: 2024010488**

**April 10, 2024**

**Lead Agency:**

Long Beach Utilities Department  
1800 East Wardlow Road  
Long Beach, CA 90807

**Prepared by:**

AZTEC Engineering Group, Inc.  
2151 Michelson Drive, Ste. 100  
Irvine, CA 92612



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## ACRONYMS AND DEFINITIONS

AIA	Airport Influence Area
ALUC	Airport Land Use Commission
BIO	Biological
Caltrans	California Department of Transportation
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CNDDDB	California Natural Diversity Database
HDPE	high density polyethylene
HGS	Haynes Generating Station
IS	Initial Study
JFTB	Joint Forces Training
LADWP	Los Angeles Department of Water and Power
LBUD	Long Beach Utilities Department
LSA	Lake and Streambed Alteration
MM	Mitigation Measure
MND	Mitigated Negative Declaration
NOI	Notice of Intent
OCTA	Orange County Transportation Authority
OHWM	ordinary high water mark
ROW	right of way
RW	recycled water
SB	Seal Beach
SCAQMD	South Coast Air Quality Management District
SR 22	State Route 22
TCP	Traffic Control Plan
TR	Transportation

## 1 INTRODUCTION

This document comprises the Comments and Responses of the Initial Study/Mitigated Negative Declaration (IS/MND) for the Long Beach Utilities Department (LBUD)/Los Angeles Department of Water and Power (LADWP) Haynes Generating Station (HGS) Recycled Water (RW) Pipeline Project (hereafter referred to a “Project”). The purpose of this document is to respond to all comments received by LBUD during the Public Review Draft IS/MND public review period.

Consistent with California Environmental Quality Act (CEQA) Guidelines Section 15073, a Notice of Intent (NOI) to adopt a Mitigated Negative Declaration was published to the local newspaper, online at the City of Long Beach Planning website, and uploaded to the State Clearinghouse on January 18, 2024.

The Public Review Draft IS/MND (State Clearinghouse No. 2024010488) was circulated for public review and comment pursuant to CEQA Guidelines Section 15073. The IS/MND was made available to the public for a period of 30 days, from January 19, 2024, to February 20, 2024. Copies of the Public Review Draft IS/MND were made available to the public at the following locations:

- Long Beach Utilities Department located at 1800 East Wardlow Road, Long Beach, California 90807
- Billie Jean King Main Library, 200 W Broadway, Long Beach, CA 90802; and
- City of Long Beach website at: <https://longbeach.gov/lbcd/planning/environmental/reports/>

Six (6) comment letters were received during the public review period.

The Long Beach Utilities Department is the Lead Agency under CEQA and is required to consider agency and public comments on the IS/MND. The CEQA Guidelines do not require a lead agency to prepare written responses to comments received (see CEQA Guidelines Section 15088); however, LBUD has elected to prepare the following written responses with the intent of conducting a comprehensive and meaningful evaluation of the Project.

Information provided in this document clarifies, amplifies, or makes minor modifications to the Public Review Draft IS/MND. No significant changes have been made to the information contained in the Public Review Draft IS/MND as a result of the comments received, and no significant new information has been added that would require recirculation of the document pursuant to State CEQA Guidelines Section 15088.5. This document also includes a section that shows the minor modifications to the Public Review Draft IS/MND as a result of comments received during the public review period (refer to Section 3 Revisions to Public Review Draft IS/MND).

### 1.1 Index Of Comments Received

During the public review period, comment letters were received on the Public Review Draft IS/MND from interested public agencies. Refer to Table 1 below for a list of agencies that provided comments on the Public Review Draft IS/MND. Agency comments have been organized and indexed with comment codes to provide easier view of comments and responses.

**Table 1. Comments Received During Public Review Period**

Comment Code	Agency	Date
SB	City of Seal Beach	1/24/2024
OCTA	Orange County Transportation Authority (OCTA)	2/20/2024
ALUC	Los Angeles County Airport Land Use Commission (ALUC)	2/15/2024
CDFW	California Department of Fish and Wildlife (CDFW)	2/20/2024
Caltrans	California Department of Transportation (Caltrans) District 7	2/16/2024
SCAQMD	South Coast Air Quality Management District (SCAQMD)	1/25/2024

## 2 FORMAT OF RESPONSE TO COMMENTS

Responses to each comment letter are provided on the following pages. Comment codes are provided at the top of each comment letter. Individual comments, within each letter, are bracketed and identified according to the comment code along the left-hand margin of each letter. LBUD's responses to each comment letter are provided immediately following the respective comment letter and are referenced by comment code. As noted in some responses, LBUD has made text revisions to the Public Review Draft IS/MND in response to certain comments. Proposed revisions to the Public Review Draft IS/MND are included in Section 3 Revisions to Public Review Draft IS/MND.



CITY HALL 211 EIGHTH STREET  
SEAL BEACH, CALIFORNIA 90740  
(562) 431-2527 • www.sealbeachca.gov

January 24, 2024

Dennis Santos  
Long Beach Utilities Department  
1800 East Wardlow Road  
Long Beach, CA 90807

**SUBJECT: Haynes Generating Station Recycled Water Pipeline Project - IS/MND  
City of Seal Beach Comments**

Dear Mr. Santos:

Thank you for the opportunity to comment on the Initial Study/Mitigated Negative Declaration for the Haynes Generating Station Recycled Water Pipeline Project ("Project") - dated July 18, 2024. The project proposes to install a recycled water pipeline along Studebaker Road, crossing the San Gabriel River along College Park Drive, then under State Route 22 to the LADWP Haynes Generating Station. Segment RW 1-14 of the Project is within the City of Seal Beach's ("City") jurisdictional boundaries.

The City is in general support of using recycled water as a sustainable water resiliency effort; however, we would like to offer the following comments:

Comment SB-1

Comment SB-2

Comment SB-3

Comment SB-4

Comment SB-5

1. **GENERAL** - The operations of Long Beach's utility within the City's jurisdictional boundaries will require a franchise agreement and/or easement.
2. **ENVIRONMENTAL CHECKLIST FORM** - The City of Seal Beach shall be noted as a "Public Agency whose Approval is Required" under Section 10. As such, design and construction-related items noted in the IS/MND would be reviewed at that point.
3. **ENVIRONMENTAL CHECKLIST FORM** - Please define ownership of the College Park Drive bridge.
4. **MULTIPLE SECTIONS** - College Park Drive is the only College Park West ingress/egress point. Full road closures will not be permitted at any point, regardless of VMT impacts. All modified access must accommodate emergency response vehicles. Full access to Edison Park must be maintained at all times.

Comment SB-6

5. **Section XIII NOISE** – the College Park Drive work is in close proximity to residences and Edison Park. MM N-1 shall include provisions to provide sound mitigation barriers as necessary and as requested by the City.

Comment SB-7

6. **Section XV PUBLIC SERVICES** - Construction notifications shall be provided to individual parcels at least ten (10) days and two (2) days prior to construction.

Comment SB-8

7. **Section XV PUBLIC SERVICES** - Applicant shall be responsible for accommodating and coordinating all programmatic activities impacted by the Project.

Comment SB-9

8. **Section XVII TRANSPORTATION** – All traffic control plans affecting College Park West access and/or within the City’s jurisdictional boundaries shall be reviewed and approved by the City.

The City looks forward to coordinating with Long Beach Utilities Department in identifying and mitigating Project impacts. If you have questions regarding this letter, please contact me at (562) 431-2527 x1322 or [ilee@sealbeachca.gov](mailto:ilee@sealbeachca.gov).

Sincerely,



Iris Lee  
Director of Public Works

Cc: Jill Ingram, City Manager  
Alexa Smittle, Director of Community Development  
Kathryne Cho, Deputy PW Director/City Engineer

## 2.1 City of Seal Beach

Comment Identifier: SB

Date Response Received: 1/24/2024

Comment SB-1

Thank you for the opportunity to comment on the Initial Study/Mitigated Negative Declaration for the Haynes Generating Station Recycled Water Pipeline Project ("Project") – dated July 18, 2024. The project proposes to install a recycled water pipeline along Studebaker Road, crossing the San Gabriel River along College Park Drive, then under State Route 22 to the LADWP Haynes Generating Station. Segment RW 1-14 of the Project is within the City of Seal Beach's ("City") jurisdictional boundaries.

The City is in general support of using recycled water as a sustainable water resiliency effort; however, we would like to offer the following comments:

### Response to Comment SB-1

This comment provides introductory remarks and a brief description of the proposed project.

The comment does not contain any substantive comments or questions about the environmental analysis or conclusions contained in the Public Review Draft IS/MND. No further response is required.

Comment SB-2

1. **GENERAL** - The operations of Long Beach's utility within the City's jurisdictional boundaries will require a franchise agreement and/or easement.

### Response to Comment SB-2

This comment states the project operations within the City of Seal Beach's jurisdictional boundaries will require a franchise agreement and/or easement.

LBUD acknowledges this comment. LBUD will obtain a franchise agreement and/or easement for the project activities occurring within the City of Seal Beach prior to construction.

Comment SB-3

2. **ENVIRONMENTAL CHECKLIST FORM** - The City of Seal Beach shall be noted as a "Public Agency whose Approval is Required" under Section 10. As such, design and construction-related items noted in the IS/MND would be reviewed at that point.

### Response to Comment SB-3

This comment states the City of Seal Beach shall be included as a "Public Agency whose Approval is Required," and as such the City of Seal Beach would review design and construction-related items noted in the IS/MND.

LBUD acknowledges this comment. The suggested revision for Section 1, Environmental Checklist Form – Other Public Agencies whose Approval is Required, of the Public Review Draft IS/MND is included in Section 1 of the Final IS/MND. No additional revisions are required. This would be considered a clarification to the IS/MND, and thus would not require recirculation of the IS/MND (State CEQA Guidelines Section 15073.5). LBUD will send over applicable plan sheets to the City of Seal Beach for their review and approval.

Comment SB-4 3. **ENVIRONMENTAL CHECKLIST FORM** - Please define ownership of the College Park Drive bridge.

#### Response to Comment SB-4

This comment requests the ownership of the College Park Drive bridge be defined.

LBUD acknowledges this comment. The suggested revision for Section 1, Environmental Checklist Form, of the Public Review Draft IS/MND is included in Section 1 of the Final IS/MND. No additional revisions are required. This would be considered a clarification to the IS/MND, and thus would not require recirculation of the IS/MND (State CEQA Guidelines Section 15073.5).

Comment SB-5 4. **MULTIPLE SECTIONS** - College Park Drive is the only College Park West ingress/egress point. Full road closures will not be permitted at any point, regardless of VMT impacts. All modified access must accommodate emergency response vehicles. Full access to Edison Park must be maintained at all times.

#### Response to Comment SB-5

This comment states College Park Drive is the only College Park West ingress/egress point, and full road closures of College Park Drive will not be permitted at any point. In addition, all modified access must accommodate emergency response vehicles and full access to Edison Park must be maintained.

LBUD acknowledges this comment. As discussed in Section 4.17 Transportation of the Public Review Draft IS/MND, the project will implement a mitigation measure (MM) that requires the preparation and approval of specific traffic control plans (TCP) for each phase of the project. Revisions for Mitigation Measure TR-1 within Section 4.17 Transportation, of the Public Review Draft IS/MND are included in Section 4.17 Transportation of the Final IS/MND. The mitigation measure has been revised to include the City of Seal Beach and Caltrans as a reviewer and specifies coordinating with Caltrans for any applicable permits.

**MM TR-1: Prepare Standard Traffic Control Plan (TCP).** During the final engineering phase and at least 30 days prior to construction, a construction TCP shall be prepared by the contractor and reviewed and approved by the lead agency. All traffic control plans shall be provided to the City of Seal Beach and Caltrans for review. In addition, coordination with Caltrans shall occur regarding the Project's need for any Caltrans permits.

The lane/street closures in the construction TCP shall be coordinated between the construction contractor, private businesses, public transit and bus operators, emergency service providers, and residents to minimize construction-related vehicular traffic impacts. During planned closures, traffic shall be re-routed to adjacent streets via clearly marked detours and notice shall be provided in advance to applicable parties (nearby residences, emergency service providers, public transit and bus operators, businesses, and organizers of special events). The TCP shall identify proposed closure schedules and detour routes, as well as construction traffic routes, including haul truck routes, and preferred delivery/haul-out location and hours to avoid heavily congested areas during peak hours, where feasible.

The traffic control plans will coordinate necessary lane and/or street closures between the contractor, private businesses, public transit, emergency service providers, and residents. LBUD has included in the Contract Documents that the construction Contractor will be required to include the following provisions within the project's traffic control plans: 1) no full road closures of College Park Drive are allowed, 2) full access to Edison Park shall be maintained, and 3) accommodate emergency access throughout construction. In addition, this project will have full-time third-party Construction Management and inspection services under the supervision of LBUD who will ensure the mitigation measure and provisions are strictly adhered to.

Comment SB-6 5. **Section XIII NOISE** - the College Park Drive work is in close proximity to residences and Edison Park. MM N-1 shall include provisions to provide sound mitigation barriers as necessary and as requested by the City.

**Response to Comment SB-6**

This comment states due to proximity of College Park Drive construction work to Edison Park, Mitigation Measure Noise-1 shall include provisions to provide sound mitigation barriers as necessary and as requested by the City of Seal Beach.

LBUD acknowledges this comment. As discussed in Section 4.13 Noise of the Public Review Draft IS/MND, the project would implement a mitigation measure that would reduce the potential impacts associated with construction noise. The mitigation measure would limit construction activities to time and day restrictions as established in the City of Long Beach and City of Seal Beach noise ordinances. LBUD will require the Contractor and/or Construction Manager to adhere to the City of Seal Beach noise ordinance and include the noise specifications within the project's contract documents. The increase in noise caused by the project would be temporary and periodic, only occurring for the duration of construction adjacent to Edison Park, within the City of Seal Beach (approximately one week). Noise impacts would be linear and moving along the project alignment (approximately 100-200 linear feet per day). As such, the project was found to have less than significant noise impact with implementation of mitigation measures.

Comment SB-7 6. **Section XV PUBLIC SERVICES** - Construction notifications shall be provided to individual parcels at least ten (10) days and two (2) days prior to construction.

**Response to Comment SB-7**

This comment states construction notifications shall be provided to individual parcels at least ten (10) days and two (2) days prior to construction.

LBUD acknowledges this comment. LBUD will require the Contractor and/or Construction Manager to notify individual parcels at least ten (10) days and two (2) days prior to construction. The comment does not contain any substantive comments or questions about the environmental analysis, or conclusions contained in the Draft IS/MND; thus, no further response is required.

Comment SB-8 7. **Section XV PUBLIC SERVICES** - Applicant shall be responsible for accommodating and coordinating all programmatic activities impacted by the Project.

**Response to Comment SB-8**

This comment states the Project applicant shall be responsible for accommodating and coordinating all programmatic activities impacted by the Project.

LBUD acknowledges this comment. This project will have full-time third-party Construction Management and inspection services under the supervision of LBUD who will ensure a pre-construction meeting is held, project-related notifications are provided, and all traffic control plans and Contract requirements are strictly adhered to.

Comment SB-9 | 8. **Section XVII TRANSPORTATION** - All traffic control plans affecting College Park West access and/or within the City's jurisdictional boundaries shall be reviewed and approved by the City.

**Response to Comment SB-9**

This comment states all traffic control plans affecting College Park Drive access and/or within the City of Seal Beach's jurisdictional boundaries shall be reviewed and approved by the City of Seal Beach.

LBUD acknowledges this comment. LBUD will require the Contractor to provide traffic control plans for all phases of the project to the City of Seal Beach prior to construction. Revisions for Mitigation Measure TR-1 within Section 4.17 Transportation, of the Public Review Draft IS/MND are included in Section 4.17 Transportation of the Final IS/MND. The mitigation measure has been revised to include the City of Seal Beach and Caltrans as a reviewer. The comment does not contain any substantive comments or questions about the environmental analysis, or conclusions contained in the Draft IS/MND; thus, no further response is required.



AFFILIATED AGENCIES

Orange County  
Transit District

Local Transportation  
Authority

Service Authority for  
Freeway Emergencies

Consolidated Transportation  
Service Agency

Congestion Management  
Agency

February 20, 2024

Mr. Dennis Santos  
Long Beach Utilities Department  
1800 East Wardlow Road  
Long Beach, CA 90807

Via email: [Dennis.Santos@lbwater.org](mailto:Dennis.Santos@lbwater.org)

**Subject: Notice of Availability and Intent to Adopt an Initial Study / Mitigated Negative Declaration Regarding the Haynes Generating Station Recycled Water Pipeline Project**

Dear Mr. Santos:

Comment OCTA-1

Thank you for providing the Orange County Transportation Authority (OCTA) with the Notice of Availability and Intent to Adopt an Initial Study/Mitigated Negative Declaration for the Haynes Generating Station Recycled Water Pipeline Project. The following comments are provided for your consideration:

Comment OCTA-2

- OCTA would like to review the street improvement plan and striping plan, when it becomes available.
- Please notify OCTA Field Operations (800-560-7433) at least 48-hours prior to temporarily closing a bus stop, notice given as early as possible is appreciated

Comment OCTA-3

- The bus stops within the project vicinity are listed and displayed below:
  1. *Southbound Studebaker / Farside Atherton*
  2. *Southbound Studebaker / Farside Driscoll*
  3. *Southbound Studebaker / Farside Vuelta Grande*
  4. *Southbound Studebaker / Farside Anaheim*
  5. *Northbound Studebaker / Farside Anaheim*
  6. *Northbound Studebaker / Farside Mantova*
  7. *Northbound Studebaker / Farside Driscoll*

Comment OCTA-4

Throughout the development of this project, we encourage communication with OCTA on any matters discussed herein. If you have any questions or comments, please contact me at (714) 560-5907 or at [dphu@octa.net](mailto:dphu@octa.net).

Sincerely,

Dan Phu  
Sustainability Planning Manager

Enclosure: Attachment A – Bus Stop Locations

Bus Stop Locations



## 2.2 Orange County Transportation Authority (OCTA)

Comment Identifier: OCTA

Date Response Received: 2/20/2024

Comment OCTA-1

Thank you for providing the Orange County Transportation Authority (OCTA) with the Notice of Availability and Intent to Adopt an Initial Study/Mitigated Negative Declaration for the Haynes Generating Station Recycled Water Pipeline Project. The following comments are provided for your consideration:

### Response to Comment OCTA-1

This comment provides introductory remarks and a brief description of the proposed project.

The comment does not contain any substantive comments or questions about the environmental analysis or conclusions contained in the Public Review Draft IS/MND. No further response is required.

Comment OCTA-2

- OCTA would like to review the street improvement plan and striping plan, when it becomes available.

### Response to Comment OCTA-2

This comment requests the street improvement plan and striping plan for the project be sent to OCTA for review.

LBUD acknowledges this comment. LBUD will require the construction contractor to provide the street improvement plan and striping plan to the OCTA before construction. The comment does not contain any substantive comments or questions about the environmental analysis, or conclusions contained in the Draft IS/MND; thus, no further response is required.

Comment OCTA-3

- Please notify OCTA Field Operations (800-560-7433) at least 48-hours prior to temporarily closing a bus stop, notice given as early as possible is appreciated
  - The bus stops within the project vicinity are listed and displayed below:
    1. Southbound Studebaker / Farside Atherton
    2. Southbound Studebaker / Farside Driscoll
    3. Southbound Studebaker / Farside Vuelta Grande
    4. Southbound Studebaker / Farside Anaheim
    5. Northbound Studebaker / Farside Anaheim
    6. Northbound Studebaker / Farside Mantova
    7. Northbound Studebaker / Farside Driscoll

### Response to Comment OCTA-3

This comment requests the OCTA Field Operations be notified prior to the temporary closing of any bus stops and provides a list of bus stops within the project's vicinity.

LBUD acknowledges this comment. LBUD will require the construction contractor to notify the OCTA Field Operations team, as needed. Implementation of MM TR-1 requires the coordination of lane/street closures between the construction contractor and public transit and bus operators to minimize construction-related vehicular traffic impacts. In addition, this project will have full-time third-party Construction Management and inspection services under the supervision of LBUD who will ensure project-related notifications are provided. The comment does not contain any substantive comments or questions about the environmental analysis, or conclusions contained in the Draft IS/MND; thus, no further response is required.

Comment OCTA-4

Throughout the development of this project, we encourage communication with OCTA on any matters discussed herein. If you have any questions or comments, please contact me at (714) 560-5907 or at [dphu@octa.net](mailto:dphu@octa.net).

#### **Response to Comment OCTA-4**

This comment includes closing remarks.

The comment does not contain any substantive comments or questions about the environmental analysis or conclusions contained in the Public Review Draft IS/MND. No further response is required.

# LOS ANGELES COUNTY AIRPORT LAND USE COMMISSION

PAM O'CONNOR  
Chair

DAVID W. LOUIE  
Vice Chair

YOLANDA DUARTE-WHITE  
Commissioner

ELVIN W. MOON  
Commissioner

MICHAEL R. HASTINGS  
Commissioner

February 15, 2024

Dennis Santos  
Long Beach Utilities Department  
1800 East Wardlow Road  
Long Beach, CA 90807

**SUBJECT: LBUD/LADWP Haynes Generating Station Recycled Water Pipeline Project**

Dear Mr. Santos:

Thank you for the opportunity to comment on the above referenced project. The project is the construction of a recycled water pipeline beneath 1.5 miles of existing streets in Long Beach and Seal Beach. Staff of the Los Angeles County Airport Land Use Commission (ALUC) reviewed the Notice of Availability and referenced the Initial Study and Mitigated Negative Declaration (IS/MND) and has the following comments.

In December 1991 in its capacity as the ALUC, the Los Angeles County Regional Planning Commission adopted the Airport Land Use Plan (ALUP) for the county's fifteen public use airports in accordance with the California Public Utilities Code (PUC) Section 21675. The ALUC adopted planning boundaries for each airport, also known as the Airport Influence Area (AIA), in which certain proposed local actions must be submitted to the ALUC for review.

The IS/MND identifies two airports near the proposed pipeline: Long Beach Airport located approximately 2.5 miles to the northwest, and the Joint Forces Training Base (JFTB) in Los Alamitos two miles to the northeast. The project is not within the AIA for Long Beach Airport but is within the AIA for JFTB. However, JFTB is located in Orange County and the ALUP does not recognize the AIA for JFTB within Los Angeles County.

Although the project is in an urbanized area, it is not near to any Runway Protection Zone, is not within the 65 dBA CNEL noise contour, and its location does not raise any compatibility concerns with regards to exposure to noise, land use safety, flight hazards, or overflight annoyance as listed in Section 1.4.1 of the ALUC Review Procedures.

Since the project does not pose potential impacts with the compatibility criteria in the Los Angeles County ALUP, there is no need for further review and staff has no additional comments on the IS/MND.

Comment  
ALUC-1

Comment  
ALUC-2

Comment  
ALUC-3

Comment  
ALUC-4

Comment  
ALUC-5



Comment  
ALUC-5  
Cont'd

If you have any questions regarding this matter, please contact Lauren De La Cruz at (213) 974-6432 or via email at [ldelacruz@planning.lacounty.gov](mailto:ldelacruz@planning.lacounty.gov), between 7:30 am and 5:30 PM, Monday through Thursday. Our office is closed on Fridays.

Sincerely,

DEPARTMENT OF REGIONAL PLANNING  
Amy J. Bodek, AICP  
Director

A. Bruce Durbin Digitally signed by A. Bruce Durbin  
Date: 2024.02.20 09:38:29 -08'00'

Bruce Durbin, Supervising Regional Planner  
Ordinance Studies Section/ALUC Staff

## 2.3 Los Angeles County Airport Land Use Commission (ALUC)

Comment Identifier: ALUC

Date Response Received: 2/15/2024

Comment ALUC-1  
Thank you for the opportunity to comment on the above referenced project. The project is the construction of a recycled water pipeline beneath 1.5 miles of existing streets in Long Beach and Seal Beach. Staff of the Los Angeles County Airport Land Use Commission (ALUC) reviewed the Notice of Availability and referenced the Initial Study and Mitigated Negative Declaration (IS/MND) and has the following comments.

### Response to Comment ALUC-1

This comment provides introductory remarks and a brief description of the proposed project.

The comment does not contain any substantive comments or questions about the environmental analysis or conclusions contained in the Public Review Draft IS/MND. No further response is required.

Comment ALUC-2  
In December 1991 in its capacity as the ALUC, the Los Angeles County Regional Planning Commission adopted the Airport Land Use Plan (ALUP) for the county's fifteen public use airports in accordance with the California Public Utilities Code (PUC) Section 21675. The ALUC adopted planning boundaries for each airport, also known as the Airport Influence Area (AIA), in which certain proposed local actions must be submitted to the ALUC for review.

### Response to Comment ALUC-2

This comment states the purpose of the ALUC's and circumstances in which a review by the ALUC is required.

The comment does not contain any substantive comments or questions about the environmental analysis or conclusions contained in the Public Review Draft IS/MND. No further response is required.

Comment ALUC-3  
The IS/MND identifies two airports near the proposed pipeline: Long Beach Airport located approximately 2.5 miles to the northwest, and the Joint Forces Training Base (JFTB) in Los Alamitos two miles to the northeast. The project is not within the AIA for Long Beach Airport but is within the AIA for JFTB. However, JFTB is located in Orange County and the ALUP does not recognize the AIA for JFTB within Los Angeles County.

### Response to Comment ALUC-3

This comment states two airports are near the project area, and the project is not within an Airport Influence Area (AIA) that is recognized by the ALUC.

LBUD acknowledges this comment. As stated in Section 4.9 Hazards and Hazardous Materials, of the Public Review Draft IS/MND, the project is located outside the planning boundary for the Long Beach Airport's AIA, and within the Joint Forces Training Base's (JFTB) AIA. The project area is outside the noise contour impact zones of the JFTB; and due to the distance from the nearest public airport, the project would not result in a safety hazard or excessive noise for people residing or working in the Project area during construction. As such, the project was found to have less than significant hazards and hazardous materials impacts.

Comment  
ALUC-4

Although the project is in an urbanized area, it is not near to any Runway Protection Zone, is not within the 65 dBA CNEL noise contour, and its location does not raise any compatibility concerns with regards to exposure to noise, land use safety, flight hazards, or overflight annoyance as listed in Section 1.4.1 of the ALUC Review Procedures.

#### Response to Comment ALUC-4

This comment states the project is not located near any Runway Protection Zones, is not within the 65 dBA CNEL noise contour, nor does the project's located introduce any compatibility concerns regarding exposure to noise, land use safety, flight hazards, or overflight annoyance as overseen by the ALUC's review process.

LBUD acknowledges this comment. As stated in Section 4.9 Hazards and Hazardous Materials, of the Public Review Draft IS/MND, the project is located outside the noise contour impact zones of the JFTB. In addition, due to the distance from the nearest public airport, the project would not result in a safety hazard or excessive noise for people residing or working in the Project area during construction. As such, the project was found to have less than significant hazards and hazardous materials impacts.

Comment  
ALUC-5

Since the project does not pose potential impacts with the compatibility criteria in the Los Angeles County ALUP, there is no need for further review and staff has no additional comments on the IS/MND.

Comment  
ALUC-5  
Cont'd

If you have any questions regarding this matter, please contact Lauren De La Cruz at (213) 974-6432 or via email at [ldelacruz@planning.lacounty.gov](mailto:ldelacruz@planning.lacounty.gov), between 7:30 am and 5:30 PM, Monday through Thursday. Our office is closed on Fridays.

#### Response to Comment ALUC-5

This comment includes closing remarks and states no further review, or additional comments are forthcoming by the ALUC.

The comment does not contain any substantive comments or questions about the environmental analysis or conclusions contained in the Public Review Draft IS/MND. No further response is required.

State of California – Natural Resources Agency  
DEPARTMENT OF FISH AND WILDLIFE  
South Coast Region  
3883 Ruffin Road  
San Diego, CA 92123  
(858) 467-4201  
[www.wildlife.ca.gov](http://www.wildlife.ca.gov)

GAVIN NEWSOM, Governor  
CHARLTON H. BONHAM, Director



February 20, 2024

Dennis Santos  
City of Long Beach  
Long Beach Utilities Department  
1800 East Wardlow Road  
Long Beach, CA 90807  
[Dennis.Santos@lbwater.org](mailto:Dennis.Santos@lbwater.org)

**Subject: Mitigated Negative Declaration for the Haynes Generating Station  
Recycled Water Pipeline Project, Los Angeles County (SCH  
#2024010488)**

Dear Dennis Santos:

The California Department of Fish and Wildlife (CDFW) has reviewed the Mitigated Negative Declaration (MND) for the Haynes Generating Station Recycled Water Pipeline Project (Project) from the City of Long Beach Utilities Department (City). CDFW appreciates the opportunity to provide comments regarding aspects of the Project that could affect fish and wildlife resources and be subject to CDFW's regulatory authority under the Fish and Game Code.

**CDFW's Role**

CDFW is California's Trustee Agency for fish and wildlife resources and holds those resources in trust by statute for all the people of the State [Fish & G. Code, §§ 711.7, subdivision (a) & 1802; Pub. Resources Code, § 21070; California Environmental Quality Act (CEQA) Guidelines, § 15386, subdivision (a)]. CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species (Id., § 1802). Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect State fish and wildlife resources.

CDFW is also submitting comments as a Responsible Agency under CEQA (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381). CDFW expects that it may need to exercise regulatory authority as provided by the Fish and Game Code, including lake and streambed alteration regulatory authority (Fish & G. Code, § 1600 *et seq.*). Likewise, to the extent implementation of the Project as proposed may result in "take", as defined by State law, of any species protected under the California Endangered Species Act (CESA) (Fish & G. Code, § 2050 *et seq.*), or CESA-listed rare plants

Comment  
CDFW-1

Comment  
CDFW-2

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Comment  
CDFW-2  
Cont'd

pursuant to the Native Plant Protection Act (NPPA; Fish & G. Code, § 1900 *et seq.*), CDFW recommends the Project Applicant obtain appropriate authorization under the Fish and Game Code.

**Project Description and Summary**

**Objective:** The City proposes to construct a continuous recycled water (RW) pipeline to serve the Los Angeles Department of Water & Power’s Haynes Generating Station, located in the City of Long Beach. The Project would be constructed within previously disturbed areas that now support numerous structures and subsurface utilities, City and state roadways, and associated landscaping. The RW pipeline would be constructed primarily within and adjacent to the existing roadway. Additional construction would occur within Caltrans’ right-of-way. The majority of the RW pipeline would be installed via the traditional method of open-cut trenching. A small section of the Project would be placed within micro-tunnel steel casing that would be constructed under State Route 22 (SR 22).

Comment  
CDFW-3

**Location:** The pipeline will start at the intersection of Atherton Street and Studebaker Road in Long Beach, CA 90815. The pipeline will follow South along Studebaker Frontage Road; Studebaker Road; Studebaker Access Road/SR 22 off-ramp; and south to east along College Park Drive (crossing the San Gabriel River). The pipeline will then go south and cross beneath SR 22 to the LADWP Haynes Generating Station in Seal Beach, CA 90740.

**Biological Setting:** The Project is primarily located within/beneath existing roadways and adjacent to developed/landscaped areas (e.g., medians). The immediate vicinity is comprised of commercial, industrial, recreational, and residential uses. Special status species with potential suitable habitat in the Project area include Crotch’s bumble bee (*Bombus crotchii*; CESA Candidate-listed), burrowing owl (*Athene cunicularia*; California Special Species of Concern (SSC)), and monarch butterfly (*Danaus plexippus*; federal Endangered Species Act (ESA) Candidate-listed). Migratory birds also have the potential to nest in the Project area. The pipeline will cross the San Gabriel River along the College Park Drive bridge.

**Comments and Recommendations**

Comment  
CDFW-4

CDFW offers the comments and recommendations below to assist the City in adequately identifying, avoiding, and/or mitigating the Project’s significant, or potentially significant, direct, and indirect impacts on fish and wildlife (biological) resources. CDFW recommends the measures or revisions below be included in a science-based monitoring program that contains adaptive management strategies as part of the Project’s CEQA mitigation, monitoring, and reporting program (Pub. Resources Code, § 21081.6; CEQA Guidelines, § 15097).

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**Specific Comments**

**Comment #1: Impacts to Crotch’s Bumble Bee**

**Issue:** The Project may impact suitable habitat for Crotch’s bumble bee, a CESA candidate-listed species.

**Specific impacts:** The Project may result in temporal or permanent loss of suitable nesting and foraging habitat for Crotch’s bumble bee. Project ground disturbing activities may cause death or injury of adults, eggs, and larva; burrow collapse; nest abandonment; and reduced nest success.

**Why impacts would occur:** Table 8 of the MND (p. 40) identifies suitable habitat for Crotch’s bumble bee within the Project area. The MND does not discuss the Project’s direct, indirect, or cumulative impacts on Crotch’s bumble bee. Without sufficient species-specific minimization or mitigation measures, impacts to Crotch’s bumble bee may occur.

As with any flying species, Crotch’s bumble bee may fly throughout the Project area and use suitable nesting habitat and floral resources. As for nesting habitat, Crotch’s bumble bee primarily nest in late February through late October in small, abandoned mammal burrows (underground), but may also nest under perennial bunch grasses or thatched annual grasses, under-brush piles, in old bird nests, and in dead trees or hollow logs (Williams et al. 2014; Hatfield et al. 2018). Overwintering sites utilized by Crotch’s bumble bee mated queens include soft, disturbed soil (Goulson 2010), leaf litter, or other debris (Williams et al. 2014). Ground disturbance and vegetation removal associated with Project implementation during the breeding season could result in the incidental loss of breeding success or otherwise lead to nest abandonment in areas within and/or adjacent to the Project site. Habitat loss resulting from the proposed Project also removes potential foraging habitat for this species in the broader landscape, as urban development continues to eliminate large tracts of native vegetation.

**Evidence impacts would be significant:** The California Fish and Game Commission accepted a petition to list the Crotch’s bumble bee as endangered under CESA, determining the listing “may be warranted” and advancing the species to the candidacy stage of the CESA listing process. The Project may reduce and adversely modify habitat as well as reduce and potentially impair the viability of populations of Crotch’s bumble bee. The Project may also reduce the number and range of the species without considering the likelihood that special status species on adjacent and nearby natural lands may rely upon the habitat that occurs on the proposed Project site. In addition, Crotch’s bumble bee has a State ranking of S1/S2. This means that the Crotch’s bumble bee is considered critically imperiled or imperiled and is extremely rare (often 5 or fewer populations). Lastly, Crotch’s bumble bee is listed as an invertebrate of

Comment  
CDFW-5

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conservation priority under the [California Terrestrial and Vernal Pool Invertebrates of Conservation Priority](#) (CDFW 2017). Accordingly, Crotch’s bumble bee meets the CEQA definition of rare, threatened, or endangered species (CEQA Guidelines, § 15380). Therefore, take of Crotch’s bumble bee could require a mandatory finding of significance by the City (CEQA Guidelines, § 15065).

Comment  
CDFW-5  
Cont'd

**Recommended Potentially Feasible Mitigation Measure(s):**

**Mitigation Measure #1:** The MND shall be amended to include focused surveys for Crotch’s bumble bee, conducted by a qualified entomologist familiar with the species behavior and life history of the species. Focused surveys shall follow CDFW’s [Survey Considerations for California Endangered Species Act Candidate Bumble Bee Species](#) (CDFW 2024a). Focused surveys shall be conducted throughout the entire Project site during the appropriate flying season to ensure no missed detection of Crotch’s bumble bee occurs. If Crotch’s bumble bee is detected within the Project area, the Project applicant shall consult with CDFW and obtain appropriate take authorization from CDFW (pursuant to Fish & G. Code, § 2080 *et seq*). The Project applicant shall have a fully executed take authorization prior to any ground disturbance and vegetation removal. If an ITP through CESA will be pursued, then the amended MND shall also include details of impacts to the species and compensatory mitigation including land protection instruments and in-perpetuity funding.

Comment  
CDFW-6

**Comment #2: Impacts to Monarch Butterflies**

**Issue:** The Project may impact monarch butterfly (population 1 – California overwintering population) and monarch butterfly overwintering habitat.

**Specific impacts:** The Project could remove and impact potential overwintering habitat for monarch butterflies. The MND states (p. 35), “[s]uitable roosting habitat and nectar sources are located within the Project area due to the presence of flowering landscaped vegetation and large, landscaped eucalyptus trees between SR 22 and College Park Drive at the southern limits of the Project alignment. Minor vegetation removal, including removal of one eucalyptus tree, is anticipated at the southern limits of the Project alignment within the City of Seal Beach.” Vegetation removal and tree trimming could have a negative effect on monarch butterflies by causing injury or mortality; reducing health and vigor; and reducing reproductive success. Permanent or temporary impacts on overwintering habitat could result in local population decline or local extirpation of monarch butterflies.

Comment  
CDFW-7

**Why impact would occur:** In western North America, monarch overwintering sites are distributed along the California coast from Mendocino County to the Mexican border, and south into Baja California, Mexico (Xerces Society 2017). Monarch butterflies cluster in large groups in forested groves along the California coast. The Project site could provide an overwintering grove for monarch butterflies because of its location

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relative to the coast, proximity to known overwintering sites, and support of wintering trees.

The Project may require trees and other vegetation to be removed or trimmed in order to facilitate Project activities. Removing trees during the overwintering period could have direct impacts on monarch butterflies, potentially resulting in injury or mortality; reduced health and vigor; and reduced success during spring and summer migration to breeding sites. Furthermore, removing trees could reduce or eliminate overwintering habitat, potentially leading to local population decline or local extirpation of monarch butterflies.

**Evidence impact would be significant:** The MND states (p. 35), “[d]ue to ample amounts of suitable roosting trees and nectar sources in the surrounding vicinity, construction of the Project would have a less than significant impact on the monarch butterfly.” Suitable habitat in this area is constrained to a very narrow band of trees. Although the Project is only proposing to remove one tree (and trim others), disturbance within a corridor this narrow could affect monarch migration/behavior. In addition, indirect impacts to this area, such as noise, fugitive dust, and anthropogenic disturbances, should be evaluated. The reduction in the number of monarch butterflies, either directly or indirectly, could constitute a significant impact absent appropriate mitigation. Inadequate avoidance and mitigation measures may result in the Project continuing to have adverse direct and cumulative 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 CDFW and/or U.S. Fish and Wildlife Service (USFWS). Monarch numbers have dropped by 99 percent from an estimated 4 million butterflies just twenty years ago (CDFW 2024b). Given the precipitous decline of monarch butterflies, the monarch butterfly is currently slated to be listed in 2024 under the Endangered Species Act (CDFW 2024b). The monarch butterfly is included on CDFW’s [Terrestrial and Vernal Pool Invertebrates of Conservation Priority](#) list and identified as a Species of Greatest Conservation Need in California’s [State Wildlife Action Plan](#) (CDFW 2017; CDFW 2015). Additionally, Fish and Game Code, section 1002 prohibits the take or possession of wildlife for scientific research, education, or propagation purposes without a valid Scientific Collection Permit issued by CDFW. This applies to handling monarchs, removing them from the wild, or otherwise taking them for scientific or propagation purposes, including captive rearing. Fish and Game Code, section 1021 directs CDFW to take feasible actions to conserve monarch butterflies and the habitats they depend upon for successful migration. Lastly, Fish and Game Code, section 1374 directs the Monarch Butterfly and Pollinator Rescue Program, administered by the Wildlife Conservation Board, to recover and sustain populations of monarch butterflies.

The monarch butterfly meets the CEQA definition of rare, threatened, or endangered species (CEQA Guidelines, § 15380). Impacts on monarch butterfly may require a mandatory finding of significance because the Project would have the potential to threaten to eliminate a plant or animal community and/or substantially reduce the

Comment  
CDFW-7  
Cont'd

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Comment  
CDFW-7  
Cont'd

number or restrict the range of an endangered, rare, or threatened species (CEQA Guidelines, §15065).

**Recommended Potentially Feasible Mitigation Measure(s):**

Comment  
CDFW-8

**Mitigation Measure #2:** CDFW recommends the City retain a qualified biologist to conduct an overwintering grove habitat and impact assessment for the Project site. The qualified biologist should conduct season appropriate surveys to determine if the Project site supports overwintering groves/monarch population. The assessment should provide information on where overwintering habitat is located; what Project activities would impact overwintering habitat; what are the impacts (e.g., number and species of trees removed); where impacts would occur; and measures to avoid, minimize, or mitigate for those potential impacts. CDFW recommends the City require an assessment to be performed prior to finalizing the Project's environmental document.

Comment  
CDFW-9

**Mitigation Measure #3:** If the Project site does not support overwintering habitat, the City should avoid and minimize impacts on monarch butterflies by enhancing native, insecticide-free nectar sources; avoid planting any additional tropical milkweeds; and avoid using pesticides, insecticides, and soil fumigants.

Comment  
CDFW-10

**Recommendation #1:** CDFW recommends the following resources for information on managing monarch overwintering habitat:

- [Western Monarch Butterfly Conservation Plan](#) (WAFWA 2019);
- [Overwintering Site Management and Protection](#) (Western Monarch Count 2021);
- [Protecting California's Butterfly Groves](#) (Xerces Society 2017);
- [Managing Monarch Habitat in the West](#) (Xerces Society 2021);
- [Monarch Butterfly Nectar Plant Lists for Conservation Plantings](#) (Xerces Society 2018);
- [Tropical Milkweed](#) (Wheeler 2018); and,
- CDFW's [Monarch Butterfly](#) webpage page (CDFW 2024b).

Comment  
CDFW-11

**Recommendation #2:** If the Project site supports an overwintering grove/population of monarch butterflies, the City shall protect, manage, enhance, and restore potential overwintering habitat on the Project site. The City shall prepare a long-term Monarch Butterfly Overwintering Habitat Management Plan in consultation with a qualified biologist. The Monarch Butterfly Overwintering Habitat Management Plan shall provide actions to protect, manage, enhance, and restore overwintering habitat. At a minimum, these actions shall include:

- *Protect:* Trees shall not be removed in overwintering groves unless a tree poses a safety risk. The critical root zone (CRZ) of trees that are not targeted for removal shall be protected. Impacts to a tree's CRZ could result in injury or mortality of the tree causing additional loss of trees and canopy. Shrubs shall not be removed in overwintering groves. Shrubs shall be maintained to provide a buffer to preserve the microclimate conditions of the overwinter habitat.

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- **Manage:** Management activities, such as tree trimming and mowing, shall be conducted in groves from March 15 through September 15 outside of the estimated timeframe when monarchs are likely present in the southern California coast.
- **Enhance:** Enhance native, insecticide-free nectar sources by planting fall/winter blooming forbs or shrubs within overwintering groves.
- **Restore:** Any trees removed as part of the Project shall be replaced with trees at no less than 2:1. Native insecticide-free trees shall be planted such as Monterey pine (*Pinus radiata*), Monterey cypress (*Cupressus macrocarpa*), Coast redwood (*Sequoia sempervirens*), coast live oak (*Quercus agrifolia*), Douglas fir (*Pseudotsuga menziesii*), Torrey pine (*Pinus torreyana*), western sycamore (*Platanus racemosa*), bishop pine (*Pinus radiata*) and others, as appropriate for location.
- **Pesticides:** Use of pesticides shall be avoided, particularly when monarchs may be present. If pesticides are used, applications shall be conducted from March 15 through September 15, when possible. Herbicide shall not be applied on blooming flowers. Herbicide shall be applied during young plant phases, when plants are more responsive to treatment, and when monarchs and other pollinators are less likely to be nectaring on the plants. Whenever possible, targeted application herbicide methods shall be used, large-scale broadcast applications shall be avoided, and precautions shall be taken to limit off-site movement of herbicides (e.g., drift from wind and discharge from surface water flows). Neonicotinoids or other systemic insecticides, including coated seeds, should not be used any time of the year in monarch habitat due to their ecosystem persistence, systemic nature, and toxicity. Soil fumigants should not be used. Non-chemical weed control techniques should be used when possible.
- **Tropical milkweed and pathogens:** Non-native tropical milkweed should not be planted in order to minimize the spread of the pathogen *Ophryocystis elektroscirrha* (OE), and to encourage natural monarch migration. OE can build up on tropical milkweed because these plants are evergreen, and they do not die back in the winter. OE can be debilitating and/or lethal to monarchs. If possible, tropical milkweed should be removed and replaced with native, insecticide-free nectar plants suitable for the location.

Comment  
CDFW-11  
Cont'd

**Comment #3: Impacts to Streams**

**Issue:** Project activities require the RW pipeline to be attached to the existing bridge on College Park Drive that crosses the San Gabriel River.

Comment  
CDFW-12

**Specific impacts:** According to page 44 of the MND, “[w]hile the pipe is being attached to the existing bridge, the contractor would employ methods to prevent material or debris from falling into the San Gabriel River; however, incidental debris may enter the watercourse however it is not intended to be significant, and no mitigation is required beyond the methods employed by the contractor”. In addition, development on the

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banks may result in erosion and earth movement that could impair streams. Vegetation along these drainages may also need to be removed or may be degraded through habitat modification (e.g., encroachment and edge effects leading to introduction of non-native plants).

**Why impacts would occur:** Development over and/or adjacent to the stream may result in ground-disturbing activities and vegetation removal. The MND does not include “methods to prevent material or debris from falling into the San Gabriel River.” Ground-disturbing activities and vegetation removal could result in erosion. Siltation or runoff downstream could impair streams.

In addition, the MND does not recognize the potential need for a Fish and Game Code, section 1602 Lake and Streambed Alteration (LSA) Agreement. As a result, the Project could result in unmitigated impacts to streams and associated habitat.

**Evidence impacts would be significant:** CDFW exercises its regulatory authority as provided by Fish and Game Code, section 1600 et seq. to conserve fish and wildlife resources which includes rivers, streams, or lakes and associated natural communities. Fish and Game Code, section 1602 requires any person, state or local governmental agency, or public utility to notify CDFW prior to beginning any activity that may do one or more of the following:

- Divert or obstruct the natural flow of any river, stream, or lake;
- Change the bed, channel, or bank of any river, stream, or lake;
- Use material from any river, stream, or lake; or,
- Deposit or dispose of material into any river, stream, or lake.

CDFW requires an LSA Agreement when a Project activity may substantially adversely affect fish and wildlife resources. The Project may result in significant impacts on streams and associated natural communities if development of sites identified by the Project or future projects would be in close proximity to these resources. Without appropriate mitigation, the Project continues to have a substantial adverse direct, indirect, and cumulative effect, either directly or through habitat modifications, on fish and wildlife resources, including rivers, streams, or lakes and associated natural communities identified by CDFW.

**Recommended Potentially Feasible Mitigation Measure(s):**

**Mitigation Measure #4:** The City shall prepare a jurisdictional delineation and impact assessment for impacts to the San Gabriel River, including impacts to banks of the River.

**Mitigation Measure #5:** The City will be required to notify CDFW pursuant to Fish and Game Code, section 1602 and may need to obtain an LSA Agreement from CDFW prior

Comment  
CDFW-12  
Cont'd

Comment  
CDFW-13

Comment  
CDFW-14

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Comment  
CDFW-14  
Cont'd

to obtaining a grading permit. The City shall comply with the mitigation measures detailed in an LSA Agreement issued by CDFW. The City shall also provide compensatory mitigation for any impacted stream and associated natural community. Please visit CDFW's [Lake and Streambed Alteration Program](#) webpage for more information (CDFW 2024c).

Comment  
CDFW-15

**Recommendation #3:** CDFW's issuance of an LSA Agreement for a project that is subject to CEQA will require CEQA compliance actions by CDFW as a Responsible Agency. As a Responsible Agency, CDFW may consider the CEQA document from the lead agency/project applicant for the project. To minimize additional requirements by CDFW pursuant to Fish and Game Code, section 1600 et seq. and/or under CEQA, a project's CEQA document should fully identify the potential impacts to the stream or riparian resources and provide adequate avoidance, mitigation, monitoring, and reporting commitments for issuance of the LSA Agreement. To compensate for any on- and off-site impacts to aquatic and riparian resources, additional mitigation conditioned in any LSA Agreement may include the following: erosion and pollution control measures; avoidance of resources; protective measures for downstream resources; on- and/or off-site habitat creation; enhancement or restoration; and/or protection and management of mitigation lands in perpetuity.

**Additional Recommendations**

Comment  
CDFW-16

**Recommendation #4 – Burrowing Owls:** The southern limits of the Project area contain suitable habitat for burrowing owl in the form of a landscaped area between College Park Drive and SR 22 and an open bare ground south of SR 22. Burrowing owls are known to inhabit anthropogenically altered habitat such as roadside shoulders and urban parks. The MND states, "disturbance to unpaved surfaces would result from installing the RW pipeline from where the Project alignment extends south of College Park Drive (Seal Beach)." Project activities may result in impacts to burrowing owls. The MND should be amended to include focused surveys for burrowing owl, per CDFW protocols. Burrowing owl protocol surveys should be conducted by a qualified biologist on the Project site and within 500 feet of the Project site where there is suitable habitat. In California, the burrowing owl breeding season extends from February 1 to August 31 with some variations by geographic location and climatic conditions. CDFW recommends the City amend MM BIO-02 and MM BIO-03 to exclude the ~~strikethrough~~ and include the underlined language:

"MM BIO-2: Burrowing Owl Survey. A qualified biologist will be employed to complete a pre-construction survey for burrowing owls 96 hours prior to ground disturbing activities conduct breeding season burrowing owl surveys. CDFW protocol states to conduct four survey visits: 1) at least one site visit between February 15 and April 15, and 2) a minimum of three survey visits, at least three weeks apart, between April 15 and July 15, with at least one visit after June 15, occurring in all suitable habitat for the burrowing owl. Surveys will be needed

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along the portion of the Project alignment in the City of Seal Beach, California and south of College Park Drive including the landscaped area within SR 22 ROW and the HGS property. If active burrows (occupied by burrowing owl[s]) are identified, no Project activities will take place within ~~400~~200 feet of an active burrow (occupied by burrowing owl[s]).

Comment  
CDFW-16  
Cont'd

MM BIO-3 Burrowing Owl Mitigation Plan. The Project applicant should then prepare an Impact Assessment and Burrowing Owl Mitigation Plan in accordance with the 2012 Staff Report on Burrowing Owl Mitigation. The Project applicant shall contact CDFW to develop appropriate mitigation/management procedures. The Project applicant should submit a final Burrowing Owl Mitigation Plan to the City prior to the City issuing construction permits. No work should be conducted within the burrow until the offspring have fledged and left the burrow. Personnel working on the Project, including all contractors working on site, should be instructed on the presence of burrowing owls, restricted areas, and adherence to the buffer zone. No work should occur within the buffer zone. The specific buffer zone should be established in coordination with CDFW.

~~MM BIO-3: Burrowing Owl Relocation. If a burrowing owl or active burrows (occupied by burrowing owl[s]) cannot be avoided, a qualified biologist holding a permit from the U.S. Fish and Wildlife Service will be employed to relocate burrowing owl(s) from the Project area, as appropriate."~~

**Recommendation #5 – Data:** CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a database [i.e., California Natural Diversity Database (CNDDDB)] which may be used to make subsequent or supplemental environmental determinations [Pub. Resources Code, § 21003, subd. (e)]. Special status species information should be submitted to the CNDDDB by completing the [Online Field Survey Form](#) (CDFW 2024d). To submit information on special status native plant populations and sensitive natural communities, the [Combined Rapid Assessment and Releve Form](#) should be completed and submitted to CDFW's Vegetation Classification and Mapping Program (CDFW 2024e). The City should ensure all pertinent data has been properly submitted, with all applicable data fields filled out, prior to finalizing/adopting the Project's environmental document. The data entry should also list pending development as a threat and then update this occurrence after impacts have occurred. The City should provide CDFW with confirmation of data submittal.

Comment  
CDFW-17

**Filing Fees**

The Project, as proposed, would have an impact on fish and/or wildlife, and assessment of filing fees is necessary. Fees are payable upon filing of the Notice of Determination and serve to help defray the cost of environmental review by CDFW. Payment of the fee

Comment  
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Cont'd

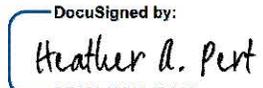
is required for the underlying Project approval to be operative, vested, and final (Cal. Code Regs., tit. 14, § 753.5; Fish & G. Code, § 711.4; Pub. Resources Code, § 21089).

Comment  
CDFW-19

**Conclusion**

We appreciate the opportunity to comment on the Project to assist the City in adequately analyzing and minimizing/mitigating impacts to biological resources. CDFW requests an opportunity to review and comment on any response that the City has to our comments and to receive notification of any forthcoming hearing date(s) for the Project [CEQA Guidelines, § 15073(e)]. If you have any questions or comments regarding this letter, please contact Felicia Silva, Senior Environmental Scientist (Specialist), at (562) 292-8105 or by email at [Felicia.Silva@wildlife.ca.gov](mailto:Felicia.Silva@wildlife.ca.gov)

Sincerely,

DocuSigned by:  
  
DF423498814B441...  
Heather Pert  
Environmental Program Manager  
South Coast Region

ec: CDFW

- Baron Barrera – Senior Environmental Scientist (Supervisory)
- Felicia Silva – Senior Environmental Scientist (Specialist)
- Cindy Hailey – Staff Services Analyst

State Clearinghouse - [state.clearinghouse@opr.ca.gov](mailto:state.clearinghouse@opr.ca.gov)

**References:**

- [CDFW] California Department of Fish and Wildlife. 2024a. Survey Considerations for California Endangered Species Act Candidate Bumble Bee Species. Available at: <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=213150&inline>
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**GAVIN NEWSOM, Governor**  
**CHARLTON H. BONHAM, Director**



**Attachment A: Draft Mitigation and Monitoring Reporting Plan**

CDFW recommends the following language to be incorporated into a future environmental document for the Project.

<b>Biological Resources (BIO)</b>			
<b>Mitigation Measure (MM) or Recommendation (REC)</b>		<b>Timing</b>	<b>Responsible Party</b>
<b>MM-BIO-1- Crotch's Bumble Bee</b>	The MND shall be amended to include focused surveys for Crotch's bumble bee, conducted by a qualified entomologist familiar with the species behavior and life history of the species. Focused surveys shall follow CDFW's <a href="#">Survey Considerations for California Endangered Species Act Candidate Bumble Bee Species</a> (CDFW 2024a). Focused surveys shall be conducted throughout the entire Project site during the appropriate flying season to ensure no missed detection of Crotch's bumble bee occurs. If Crotch's bumble bee is detected within the Project area, the Project applicant shall consult with CDFW and obtain appropriate take authorization from CDFW (pursuant to Fish & G. Code, § 2080 <i>et seq</i> ). The Project applicant shall have a fully executed take authorization prior to any ground disturbance and vegetation removal. If an ITP through CESA will be pursued, then the amended MND shall also include details of impacts to the species and compensatory mitigation including land protection instruments and in-perpetuity funding.	Prior to Project-related ground-disturbing activities and vegetation removal	Project Applicant/ City of Long Beach
<b>MM-BIO-2- Monarch Biologist</b>	The City shall retain a qualified biologist to conduct an overwintering grove habitat and impact assessment for the Project site. The qualified biologist shall conduct season appropriate surveys to determine if the Project site supports overwintering groves/monarch population. The assessment shall provide information on where overwintering habitat is located; what Project activities would impact overwintering habitat; what are the impacts	Prior to Project-related ground-disturbing activities and vegetation removal	Project Applicant/ City of Long Beach

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	(e.g., number and species of trees removed); where impacts would occur; and measures to avoid, minimize, or mitigate for those potential impacts. CDFW recommends the City require an assessment to be performed prior to finalizing the Project's environmental document.		
<b>MM-BIO-3-Monarch Avoidance</b>	If the Project site does not support overwintering habitat, the City shall avoid and minimize impacts on monarch butterflies by enhancing native, insecticide-free nectar sources; avoid planting any additional tropical milkweeds; and avoid using pesticides, insecticides, and soil fumigants.	Prior to Project-related ground-disturbing activities and vegetation removal	Project Applicant/ City of Long Beach
<b>REC-1-Monarch Resources</b>	CDFW recommends the following resources for information on managing monarch overwintering habitat: <ul style="list-style-type: none"> <li>• <a href="#">Western Monarch Butterfly Conservation Plan</a> (WAFWA 2019);</li> <li>• <a href="#">Overwintering Site Management and Protection</a> (Western Monarch Count 2021);</li> <li>• <a href="#">Protecting California's Butterfly Groves</a> (Xerces Society 2017);</li> <li>• <a href="#">Managing Monarch Habitat in the West</a> (Xerces Society 2021);</li> <li>• <a href="#">Monarch Butterfly Nectar Plant Lists for Conservation Plantings</a> (Xerces Society 2018);</li> <li>• <a href="#">Tropical Milkweed</a> (Wheeler 2018); and,</li> </ul> CDFW's <a href="#">Monarch Butterfly</a> webpage page (CDFW 2024b).	Prior to Project-related ground-disturbing activities and vegetation removal	Project Applicant/ City of Long Beach
<b>REC-2-Monarch Butterfly</b>	If the Project site supports an overwintering grove/population of monarch butterflies, the City shall protect, manage, enhance, and restore potential overwintering habitat on the Project site. The City shall prepare a long-term Monarch Butterfly Overwintering Habitat Management Plan in consultation with a qualified biologist. The Monarch Butterfly Overwintering Habitat Management Plan shall provide actions to protect, manage, enhance, and restore overwintering habitat. At a minimum, these actions shall include: <ul style="list-style-type: none"> <li>• <i>Protect</i>: Trees shall not be removed in overwintering groves</li> </ul>	Prior to Project-related ground-disturbing activities and vegetation removal	Project Applicant/ City of Long Beach

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	<p>unless a tree poses a safety risk. The critical root zone (CRZ) of trees that are not targeted for removal shall be protected. Impacts to a tree's CRZ could result in injury or mortality of the tree causing additional loss of trees and canopy. Shrubs shall not be removed in overwintering groves. Shrubs shall be maintained to provide a buffer to preserve the microclimate conditions of the overwinter habitat.</p> <ul style="list-style-type: none"> <li>• <b>Manage:</b> Management activities, such as tree trimming and mowing, shall be conducted in groves from March 15 through September 15 outside of the estimated timeframe when monarchs are likely present in the southern California coast.</li> <li>• <b>Enhance:</b> Enhance native, insecticide-free nectar sources by planting fall/winter blooming forbs or shrubs within overwintering groves.</li> <li>• <b>Restore:</b> Any trees removed as part of the Project shall be replaced with trees at no less than 2:1. Native insecticide-free trees shall be planted such as Monterey pine (<i>Pinus radiata</i>), Monterey cypress (<i>Cupressus macrocarpa</i>), Coast redwood (<i>Sequoia sempervirens</i>), coast live oak (<i>Quercus agrifolia</i>), Douglas fir (<i>Pseudotsuga menziesii</i>), Torrey pine (<i>Pinus torreyana</i>), western sycamore (<i>Platanus racemosa</i>), bishop pine (<i>Pinus radiata</i>) and others, as appropriate for location.</li> <li>• <b>Pesticides:</b> Use of pesticides shall be avoided, particularly when monarchs may be present. If pesticides are used, applications shall be conducted from March 15 through September 15, when possible. Herbicide shall not be applied on blooming flowers. Herbicide shall be applied during young plant phases, when plants are more responsive to treatment, and when monarchs and other pollinators are less likely to be nectaring on the plants. Whenever possible, targeted application herbicide methods shall be used, large-scale broadcast applications shall be</li> </ul>		
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	<p>avoided, and precautions shall be taken to limit off-site movement of herbicides (e.g., drift from wind and discharge from surface water flows). Neonicotinoids or other systemic insecticides, including coated seeds, shall not be used any time of the year in monarch habitat due to their ecosystem persistence, systemic nature, and toxicity. Soil fumigants shall not be used. Non-chemical weed control techniques shall be used when possible.</p> <ul style="list-style-type: none"> <li>• <i>Tropical milkweed and pathogens:</i> Non-native tropical milkweed shall not be planted in order to minimize the spread of the pathogen <i>Ophryocystis elektroscirrha</i> (OE), and to encourage natural monarch migration. OE can build up on tropical milkweed because these plants are evergreen, and they do not die back in the winter. OE can be debilitating and/or lethal to monarchs. If possible, tropical milkweed shall be removed and replaced with native, insecticide-free nectar plants suitable for the location.</li> </ul>		
<b>MM-BIO-4- Jurisdictional delineation</b>	The City shall prepare a jurisdictional delineation and impact assessment for impacts to the San Gabriel River, including impacts to banks of the River.	Prior to Project-related ground-disturbing activities and vegetation removal	Project Applicant/ City of Long Beach
<b>MM-BIO-5-LSA Notification</b>	The City will be required to notify CDFW pursuant to Fish and Game Code section 1602 and may need to obtain an LSA Agreement from CDFW prior to obtaining a grading permit. The City shall comply with the mitigation measures detailed in an LSA Agreement issued by CDFW. The City shall also provide compensatory mitigation for any impacted stream and associated natural community. Please visit CDFW's <a href="#">Lake and Streambed Alteration Program</a> webpage for more information (CDFW 2024c).	Prior to Project-related ground-disturbing activities and vegetation removal	Project Applicant/ City of Long Beach
<b>REC-3-CEQA Compliance</b>	CDFW's issuance of an LSA Agreement for a project that is subject to CEQA will require CEQA compliance actions by CDFW	Prior to Project-related	Project Applicant/ City of Long Beach

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	<p>as a Responsible Agency. As a Responsible Agency, CDFW may consider the CEQA document from the lead agency/project applicant for the project. To minimize additional requirements by CDFW pursuant to Fish and Game Code, section 1600 et seq. and/or under CEQA, a project's CEQA document should fully identify the potential impacts to the stream or riparian resources and provide adequate avoidance, mitigation, monitoring, and reporting commitments for issuance of the LSA Agreement. To compensate for any on- and off-site impacts to aquatic and riparian resources, additional mitigation conditioned in any LSA Agreement may include the following: erosion and pollution control measures; avoidance of resources; protective measures for downstream resources; on- and/or off-site habitat creation; enhancement or restoration; and/or protection and management of mitigation lands in perpetuity.</p>	<p>ground-disturbing activities and vegetation removal</p>	
<p><b>REC-4- Burrowing Owls</b></p>	<p>The southern limits of the Project area contain suitable habitat for burrowing owls in the form of a landscaped area between College Park Drive and SR 22 and an open bare ground south of SR 22. Burrowing owls are known to inhabit anthropogenically altered habitat such as roadside shoulders and urban parks. The MND states, "disturbance to unpaved surfaces would result from installing the RW pipeline from where the Project alignment extends south of College Park Drive (Seal Beach)." Project activities may result in impacts to burrowing owl. The MND should be amended to include focused surveys for burrowing owl, per CDFW protocols. Burrowing owl protocol surveys should be conducted by a qualified biologist on the Project site and within 500 feet of the Project site where there is suitable habitat. In California, the burrowing owl breeding season extends from February 1 to August 31 with some variations by geographic location and climatic conditions. CDFW recommends the City amend MM BIO-02 and MM BIO-03 to exclude the <del>strikethrough</del> and include the <u>underlined</u> language:</p>	<p>Prior to Project-related ground-disturbing activities and vegetation removal</p>	<p>Project Applicant/ City of Long Beach</p>

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	<p><del>“MM BIO-2: Burrowing Owl Survey. A qualified biologist will be employed to complete a pre-construction survey for burrowing owls 96 hours prior to ground disturbing activities conduct breeding season owl surveys. CDFW protocol states to conduct four survey visits: 1) at least one site visit between February 15 and April 15, and 2) a minimum of three survey visits, at least three weeks apart, between April 15 and July 15, with at least one visit after June 15, occurring in all suitable habitat for the burrowing owl. Surveys will be needed along the portion of the Project alignment in the City of Seal Beach, California and south of College Park Drive including the landscaped area within SR 22 ROW and the HGS property. If active burrows (occupied by burrowing owl[s]) are identified, no Project activities will take place within 400-200 feet of an active burrow (occupied by burrowing owl[s]).</del></p> <p><u>MM BIO-3 Burrowing Owl Mitigation Plan. The Project applicant should then prepare an Impact Assessment and Burrowing Owl Mitigation Plan in accordance with the 2012 Staff Report on Burrowing Owl Mitigation. The Project applicant should contact CDFW to develop appropriate mitigation/management procedures. The Project applicant should submit a final Burrowing Owl Mitigation Plan to the City prior to the City issuing construction permits. No work should be conducted within the burrow until the offspring have fledged and left the burrow. Personnel working on the Project, including all contractors working on site, should be instructed on the presence of burrowing owls, restricted areas, and adherence to the buffer zone. No work should occur within the buffer zone. The specific buffer zone should be established in coordination with CDFW.</u></p> <p><del>MM-BIO-3: Burrowing Owl Relocation. If a burrowing owl or active burrows (occupied by burrowing owl[s]) cannot be</del></p>		
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	<p><del>avoided, a qualified biologist holding a permit from the U.S. Fish and Wildlife Service will be employed to relocate burrowing owl(s) from the Project area, as appropriate."</del></p>		
<p><b>REC-5-Data</b></p>	<p>CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a database [i.e., California Natural Diversity Database (CNDDDB)] which may be used to make subsequent or supplemental environmental determinations [Pub. Resources Code, § 21003, subd. (e)]. Special status species information should be submitted to the CNDDDB by completing the <a href="#">Online Field Survey Form</a> (CDFW 2024d). To submit information on special status native plant populations and sensitive natural communities, the <a href="#">Combined Rapid Assessment and Releve Form</a> should be completed and submitted to CDFW's Vegetation Classification and Mapping Program (CDFW 2024e). The City should ensure all pertinent data has been properly submitted, with all applicable data fields filled out, prior to finalizing/adopting the Project's environmental document. The data entry should also list pending development as a threat and then update this occurrence after impacts have occurred. The City should provide CDFW with confirmation of data submittal.</p>	<p>Prior to Project-related ground-disturbing activities and vegetation removal</p>	<p>Project Applicant/ City of Long Beach</p>

## 2.4 California Department of Fish and Wildlife (CDFW)

Comment Identifier: CDFW

Date Response Received: 2/20/2024

Comment  
CDFW-1

The California Department of Fish and Wildlife (CDFW) has reviewed the Mitigated Negative Declaration (MND) for the Haynes Generating Station Recycled Water Pipeline Project (Project) from the City of Long Beach Utilities Department (City). CDFW appreciates the opportunity to provide comments regarding aspects of the Project that could affect fish and wildlife resources and be subject to CDFW's regulatory authority under the Fish and Game Code.

### Response to Comment CDFW-1.

This comment provides introductory remarks.

The comment does not contain any substantive comments or questions about the environmental analysis or conclusions contained in the Public Review Draft IS/MND. No further response is required.

Comment  
CDFW-2

#### CDFW's Role

CDFW is California's Trustee Agency for fish and wildlife resources and holds those resources in trust by statute for all the people of the State [Fish & G. Code, §§ 711.7, subdivision (a) & 1802; Pub. Resources Code, § 21070; California Environmental Quality Act (CEQA) Guidelines, § 15386, subdivision (a)]. CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species (Id., § 1802). Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect State fish and wildlife resources.

CDFW is also submitting comments as a Responsible Agency under CEQA (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381). CDFW expects that it may need to exercise regulatory authority as provided by the Fish and Game Code, including lake and streambed alteration regulatory authority (Fish & G. Code, § 1600 *et seq.*). Likewise, to the extent implementation of the Project as proposed may result in "take", as defined by State law, of any species protected under the California Endangered Species Act (CESA) (Fish & G. Code, § 2050 *et seq.*), or CESA-listed rare plants

Comment  
CDFW-2  
Cont'd

pursuant to the Native Plant Protection Act (NPPA; Fish & G. Code, § 1900 *et seq.*), CDFW recommends the Project Applicant obtain appropriate authorization under the Fish and Game Code.

### Response to Comment CDFW-2.

This comment establishes the California Department of Fish and Wildlife's (CDFW) role as California's Trustee Agency and Responsible Agency under the CEQA.

The comment does not contain any substantive comments or questions about the environmental analysis or conclusions contained in the Public Review Draft IS/MND. No further response is required.

### Project Description and Summary

**Objective:** The City proposes to construct a continuous recycled water (RW) pipeline to serve the Los Angeles Department of Water & Power's Haynes Generating Station, located in the City of Long Beach. The Project would be constructed within previously disturbed areas that now support numerous structures and subsurface utilities, City and state roadways, and associated landscaping. The RW pipeline would be constructed primarily within and adjacent to the existing roadway. Additional construction would occur within Caltrans' right-of-way. The majority of the RW pipeline would be installed via the traditional method of open-cut trenching. A small section of the Project would be placed within micro-tunnel steel casing that would be constructed under State Route 22 (SR 22).

Comment  
CDFW-3

**Location:** The pipeline will start at the intersection of Atherton Street and Studebaker Road in Long Beach, CA 90815. The pipeline will follow South along Studebaker Frontage Road; Studebaker Road; Studebaker Access Road/SR 22 off-ramp; and south to east along College Park Drive (crossing the San Gabriel River). The pipeline will then go south and cross beneath SR 22 to the LADWP Haynes Generating Station in Seal Beach, CA 90740.

**Biological Setting:** The Project is primarily located within/beneath existing roadways and adjacent to developed/landscaped areas (e.g., medians). The immediate vicinity is comprised of commercial, industrial, recreational, and residential uses. Special status species with potential suitable habitat in the Project area include Crotch's bumble bee (*Bombus crotchii*; CESA Candidate-listed), burrowing owl (*Athene cunicularia*; California Special Species of Concern (SSC)), and monarch butterfly (*Danaus plexippus*; federal Endangered Species Act (ESA) Candidate-listed). Migratory birds also have the potential to nest in the Project area. The pipeline will cross the San Gabriel River along the College Park Drive bridge.

### Response to Comment CDFW-3.

This comment summarizes the Project's objective, location, and biological setting.

The comment does not contain any substantive comments or questions about the environmental analysis or conclusions contained in the Public Review Draft IS/MND. No further response is required.

### Comments and Recommendations

Comment  
CDFW-4

CDFW offers the comments and recommendations below to assist the City in adequately identifying, avoiding, and/or mitigating the Project's significant, or potentially significant, direct, and indirect impacts on fish and wildlife (biological) resources. CDFW recommends the measures or revisions below be included in a science-based monitoring program that contains adaptive management strategies as part of the Project's CEQA mitigation, monitoring, and reporting program (Pub. Resources Code, § 21081.6; CEQA Guidelines, § 15097).

### Response to Comment CDFW-4.

This comment recommends the subsequent CDFW comments be incorporated into a monitoring program as part of the Project's CEQA mitigation, monitoring, and reporting program.

LBUD acknowledges this comment. Revisions for mitigation measures within Section 4.4 Biological Resources, of the Public Review Draft IS/MND are included in Section 4.4 Biological Resources of the Final IS/MND. No additional revisions are required. This would be considered a minor modification to the IS/MND, and thus would not require recirculation of the IS/MND (State CEQA Guidelines Section 15073.5).

**Comment #1: Impacts to Crotch's Bumble Bee**

**Issue:** The Project may impact suitable habitat for Crotch's bumble bee, a CESA candidate-listed species.

**Specific impacts:** The Project may result in temporal or permanent loss of suitable nesting and foraging habitat for Crotch's bumble bee. Project ground disturbing activities may cause death or injury of adults, eggs, and larva; burrow collapse; nest abandonment; and reduced nest success.

**Why impacts would occur:** Table 8 of the MND (p. 40) identifies suitable habitat for Crotch's bumble bee within the Project area. The MND does not discuss the Project's direct, indirect, or cumulative impacts on Crotch's bumble bee. Without sufficient species-specific minimization or mitigation measures, impacts to Crotch's bumble bee may occur.

As with any flying species, Crotch's bumble bee may fly throughout the Project area and use suitable nesting habitat and floral resources. As for nesting habitat, Crotch's bumble bee primarily nest in late February through late October in small, abandoned mammal burrows (underground), but may also nest under perennial bunch grasses or thatched annual grasses, under-brush piles, in old bird nests, and in dead trees or hollow logs (Williams et al. 2014; Hatfield et al. 2018). Overwintering sites utilized by Crotch's bumble bee mated queens include soft, disturbed soil (Goulson 2010), leaf litter, or other debris (Williams et al. 2014). Ground disturbance and vegetation removal associated with Project implementation during the breeding season could result in the incidental loss of breeding success or otherwise lead to nest abandonment in areas within and/or adjacent to the Project site. Habitat loss resulting from the proposed Project also removes potential foraging habitat for this species in the broader landscape, as urban development continues to eliminate large tracts of native vegetation.

**Evidence impacts would be significant:** The California Fish and Game Commission accepted a petition to list the Crotch's bumble bee as endangered under CESA, determining the listing "may be warranted" and advancing the species to the candidacy stage of the CESA listing process. The Project may reduce and adversely modify habitat as well as reduce and potentially impair the viability of populations of Crotch's bumble bee. The Project may also reduce the number and range of the species without considering the likelihood that special status species on adjacent and nearby natural lands may rely upon the habitat that occurs on the proposed Project site. In addition, Crotch's bumble bee has a State ranking of S1/S2. This means that the Crotch's bumble bee is considered critically imperiled or imperiled and is extremely rare (often 5 or fewer populations). Lastly, Crotch's bumble bee is listed as an invertebrate of

Comment  
CDFW-5

conservation priority under the [California Terrestrial and Vernal Pool Invertebrates of Conservation Priority](#) (CDFW 2017). Accordingly, Crotch's bumble bee meets the CEQA definition of rare, threatened, or endangered species (CEQA Guidelines, § 15380). Therefore, take of Crotch's bumble bee could require a mandatory finding of significance by the City (CEQA Guidelines, § 15065).

Comment  
CDFW-5  
Cont'd

**Response to Comment CDFW-5.**

This comment summarizes CDFW-identified impacts to Crotch's bumble bee and proposes mitigation measures be incorporated in the IS/MND and implemented during the project.

LBUD acknowledges this comment. Revisions for mitigation measures within Section 4.4 Biological Resources, of the Public Review Draft IS/MND are included in Section 4.4 Biological Resources of the Final IS/MND. No additional revisions are required. This would be considered a minor modification to the IS/MND, and thus would not require recirculation of the IS/MND (State CEQA Guidelines Section 15073.5).

**Recommended Potentially Feasible Mitigation Measure(s):**

Comment  
CDFW-6

**Mitigation Measure #1:** The MND shall be amended to include focused surveys for Crotch's bumble bee, conducted by a qualified entomologist familiar with the species behavior and life history of the species. Focused surveys shall follow CDFW's [Survey Considerations for California Endangered Species Act Candidate Bumble Bee Species](#) (CDFW 2024a). Focused surveys shall be conducted throughout the entire Project site during the appropriate flying season to ensure no missed detection of Crotch's bumble bee occurs. If Crotch's bumble bee is detected within the Project area, the Project applicant shall consult with CDFW and obtain appropriate take authorization from CDFW (pursuant to Fish & G. Code, § 2080 *et seq.*). The Project applicant shall have a fully executed take authorization prior to any ground disturbance and vegetation removal. If an ITP through CESA will be pursued, then the amended MND shall also include details of impacts to the species and compensatory mitigation including land protection instruments and in-perpetuity funding.

**Response to Comment CDFW-6.**

This comment recommends mitigation measure language for the Crotch's bumble bee, and a request for the Project to conduct focused surveys for the Crotch's bumble bee.

LBUD acknowledges this comment. Revisions for Mitigation Measure BIO-2 within Section 4.4 Biological Resources, of the Public Review Draft IS/MND are included in Section 4.4 Biological Resources of the Final IS/MND.

**MM BIO-2: Species Surveys.**

- **Crotch's Bumble Bee.** Focused surveys for Crotch's bumble bee will be conducted prior to construction by a qualified entomologist. A minimum of three surveys will be needed throughout the entire Project site prior to construction and shall occur at least two to four weeks apart. If Crotch's bumble bee are detected, no work shall occur in that area until LBUD has coordinated with the CDFW to determine appropriate avoidance and minimization measures, and/or obtain necessary approvals. A qualified entomologist will be employed to complete a pre-construction survey for Crotch's bumble bee during the appropriate flying season (April – August). Pre-construction surveys will be conducted within 48 hours prior to initial ground disturbance and vegetation removal.

No additional revisions are required. This would be considered a minor modification to the IS/MND, and thus would not require recirculation of the IS/MND (State CEQA Guidelines Section 15073.5).

**Comment #2: Impacts to Monarch Butterflies**

Comment  
CDFW-7

**Issue:** The Project may impact monarch butterfly (population 1 – California overwintering population) and monarch butterfly overwintering habitat.

**Specific impacts:** The Project could remove and impact potential overwintering habitat for monarch butterflies. The MND states (p. 35), "[s]uitable roosting habitat and nectar sources are located within the Project area due to the presence of flowering landscaped vegetation and large, landscaped eucalyptus trees between SR 22 and College Park Drive at the southern limits of the Project alignment. Minor vegetation removal, including removal of one eucalyptus tree, is anticipated at the southern limits of the Project alignment within the City of Seal Beach." Vegetation removal and tree trimming could have a negative effect on monarch butterflies by causing injury or mortality; reducing health and vigor; and reducing reproductive success. Permanent or temporary impacts on overwintering habitat could result in local population decline or local extirpation of monarch butterflies.

**Why impact would occur:** In western North America, monarch overwintering sites are distributed along the California coast from Mendocino County to the Mexican border, and south into Baja California, Mexico (Xerces Society 2017). Monarch butterflies cluster in large groups in forested groves along the California coast. The Project site could provide an overwintering grove for monarch butterflies because of its location

relative to the coast, proximity to known overwintering sites, and support of wintering trees.

The Project may require trees and other vegetation to be removed or trimmed in order to facilitate Project activities. Removing trees during the overwintering period could have direct impacts on monarch butterflies, potentially resulting in injury or mortality; reduced health and vigor; and reduced success during spring and summer migration to breeding sites. Furthermore, removing trees could reduce or eliminate overwintering habitat, potentially leading to local population decline or local extirpation of monarch butterflies.

**Evidence impact would be significant:** The MND states (p. 35), "[d]ue to ample amounts of suitable roosting trees and nectar sources in the surrounding vicinity, construction of the Project would have a less than significant impact on the monarch butterfly." Suitable habitat in this area is constrained to a very narrow band of trees. Although the Project is only proposing to remove one tree (and trim others), disturbance within a corridor this narrow could affect monarch migration/behavior. In addition, indirect impacts to this area, such as noise, fugitive dust, and anthropogenic disturbances, should be evaluated. The reduction in the number of monarch butterflies, either directly or indirectly, could constitute a significant impact absent appropriate mitigation. Inadequate avoidance and mitigation measures may result in the Project continuing to have adverse direct and cumulative 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 CDFW and/or U.S. Fish and Wildlife Service (USFWS). Monarch numbers have dropped by 99 percent from an estimated 4 million butterflies just twenty years ago (CDFW 2024b). Given the precipitous decline of monarch butterflies, the monarch butterfly is currently slated to be listed in 2024 under the Endangered Species Act (CDFW 2024b). The monarch butterfly is included on CDFW's [Terrestrial and Vernal Pool Invertebrates of Conservation Priority](#) list and identified as a Species of Greatest Conservation Need in California's [State Wildlife Action Plan](#) (CDFW 2017; CDFW 2015). Additionally, Fish and Game Code, section 1002 prohibits the take or possession of wildlife for scientific research, education, or propagation purposes without a valid Scientific Collection Permit issued by CDFW. This applies to handling monarchs, removing them from the wild, or otherwise taking them for scientific or propagation purposes, including captive rearing. Fish and Game Code, section 1021 directs CDFW to take feasible actions to conserve monarch butterflies and the habitats they depend upon for successful migration. Lastly, Fish and Game Code, section 1374 directs the Monarch Butterfly and Pollinator Rescue Program, administered by the Wildlife Conservation Board, to recover and sustain populations of monarch butterflies.

The monarch butterfly meets the CEQA definition of rare, threatened, or endangered species (CEQA Guidelines, § 15380). Impacts on monarch butterfly may require a mandatory finding of significance because the Project would have the potential to threaten to eliminate a plant or animal community and/or substantially reduce the

Comment  
CDFW-7  
Cont'd

Comment  
CDFW-7  
Cont'd

number or restrict the range of an endangered, rare, or threatened species (CEQA Guidelines, §15065).

#### Response to Comment CDFW-7.

This comment summarizes CDFW-identified impacts to the monarch butterfly and proposes mitigation measures be incorporated in the IS/MND and implemented during the project.

LBUD acknowledges this comment. Revisions for mitigation measures within Section 4.4 Biological Resources, of the Public Review Draft IS/MND are included in Section 4.4 Biological Resources of the Final IS/MND. No additional revisions are required. This would be considered a minor modification to the IS/MND, and thus would not require recirculation of the IS/MND (State CEQA Guidelines Section 15073.5).

**Recommended Potentially Feasible Mitigation Measure(s):**

Comment  
CDFW-8

**Mitigation Measure #2:** CDFW recommends the City retain a qualified biologist to conduct an overwintering grove habitat and impact assessment for the Project site. The qualified biologist should conduct season appropriate surveys to determine if the Project site supports overwintering groves/monarch population. The assessment should provide information on where overwintering habitat is located; what Project activities would impact overwintering habitat; what are the impacts (e.g., number and species of trees removed); where impacts would occur; and measures to avoid, minimize, or mitigate for those potential impacts. CDFW recommends the City require an assessment to be performed prior to finalizing the Project's environmental document.

**Response to Comment CDFW-8.**

This comment recommends mitigation measure language for the monarch butterfly be incorporated into the IS/MND and implemented during the Project.

LBUD acknowledges this comment. Revisions for Mitigation Measures BIO-1 and BIO-2 within Section 4.4 Biological Resources, of the Public Review Draft IS/MND are included in Section 4.4 Biological Resources of the Final IS/MND.

**MM BIO-1: Vegetation Removal.** Vegetation removal activities will be scheduled outside of nesting bird (breeding) season for bird species known to occur within the Project area (October through December), if possible. If vegetation removal activities occur between January 1 and September 30, nesting bird surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if an active nest is present. Vegetation removal can occur once the nest is confirmed to be no longer active. If vegetation removal activities occur between September 16 and March 14, roosting monarch surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if monarch roosting sites are present. Vegetation removal can occur once a qualified biologist has confirmed that the overwintering monarchs have vacated the roosting site in the spring.

**MM BIO-2: Species Surveys.**

- **Monarch Butterfly.** Roosting monarch surveys will be conducted prior to construction by a qualified biologist. Surveys will be needed throughout the entire Project site. An overwintering grove habitat and impact assessment will be completed after the season appropriate surveys. If overwintering grove habitat is detected, no work shall occur in that area until LBUD has coordinated with the CDFW to determine appropriate avoidance and minimization measures, and/or obtain necessary approvals. If vegetation removal activities occur between September 16 and March 14, roosting monarch surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if monarch roosting sites are present. Vegetation removal can occur once a qualified biologist has confirmed that the overwintering monarchs have vacated the roosting site in the spring.

No additional revisions are required. This would be considered a minor modification to the IS/MND, and thus would not require recirculation of the IS/MND (State CEQA Guidelines Section 15073.5).

Comment  
CDFW-9

**Mitigation Measure #3:** If the Project site does not support overwintering habitat, the City should avoid and minimize impacts on monarch butterflies by enhancing native, insecticide-free nectar sources; avoid planting any additional tropical milkweeds; and avoid using pesticides, insecticides, and soil fumigants.

#### Response to Comment CDFW-9.

This comment recommends mitigation measure language for the monarch butterfly be incorporated into the IS/MND and implemented during the Project.

The LBUD acknowledges this comment. Revisions for Mitigation Measure BIO-2 within Section 4.4 Biological Resources, of the Public Review Draft IS/MND are included in Section 4.4 Biological Resources of the Final IS/MND.

#### MM BIO-2: Species Surveys.

- **Monarch Butterfly.** Roosting monarch surveys will be conducted prior to construction by a qualified biologist. Surveys will be needed throughout the entire Project site. An overwintering grove habitat and impact assessment will be completed after the season appropriate surveys. If overwintering grove habitat is detected, no work shall occur in that area until LBUD has coordinated with the CDFW to determine appropriate avoidance and minimization measures, and/or obtain necessary approvals. If vegetation removal activities occur between September 16 and March 14, roosting monarch surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if monarch roosting sites are present. Vegetation removal can occur once a qualified biologist has confirmed that the overwintering monarchs have vacated the roosting site in the spring.

No additional revisions are required. This would be considered a minor modification to the IS/MND, and thus would not require recirculation of the IS/MND (State CEQA Guidelines Section 15073.5).

Comment  
CDFW-10

**Recommendation #1:** CDFW recommends the following resources for information on managing monarch overwintering habitat:

- [Western Monarch Butterfly Conservation Plan](#) (WAFWA 2019);
- [Overwintering Site Management and Protection](#) (Western Monarch Count 2021);
- [Protecting California's Butterfly Groves](#) (Xerces Society 2017);
- [Managing Monarch Habitat in the West](#) (Xerces Society 2021);
- [Monarch Butterfly Nectar Plant Lists for Conservation Plantings](#) (Xerces Society 2018);
- [Tropical Milkweed](#) (Wheeler 2018); and,
- CDFW's [Monarch Butterfly](#) webpage page (CDFW 2024b).

#### Response to Comment CDFW-10.

This comment provides resources regarding the management of monarch overwintering habitat.

LBUD acknowledges this comment. No further response is required.

Comment  
CDFW-11

**Recommendation #2:** If the Project site supports an overwintering grove/population of monarch butterflies, the City shall protect, manage, enhance, and restore potential overwintering habitat on the Project site. The City shall prepare a long-term Monarch Butterfly Overwintering Habitat Management Plan in consultation with a qualified biologist. The Monarch Butterfly Overwintering Habitat Management Plan shall provide actions to protect, manage, enhance, and restore overwintering habitat. At a minimum, these actions shall include:

- *Protect:* Trees shall not be removed in overwintering groves unless a tree poses a safety risk. The critical root zone (CRZ) of trees that are not targeted for removal shall be protected. Impacts to a tree's CRZ could result in injury or mortality of the tree causing additional loss of trees and canopy. Shrubs shall not be removed in overwintering groves. Shrubs shall be maintained to provide a buffer to preserve the microclimate conditions of the overwinter habitat.
- *Manage:* Management activities, such as tree trimming and mowing, shall be conducted in groves from March 15 through September 15 outside of the estimated timeframe when monarchs are likely present in the southern California coast.
- *Enhance:* Enhance native, insecticide-free nectar sources by planting fall/winter blooming forbs or shrubs within overwintering groves.
- *Restore:* Any trees removed as part of the Project shall be replaced with trees at no less than 2:1. Native insecticide-free trees shall be planted such as Monterey pine (*Pinus radiata*), Monterey cypress (*Cupressus macrocarpa*), Coast redwood (*Sequoia sempervirens*), coast live oak (*Quercus agrifolia*), Douglas fir (*Pseudotsuga menziesii*), Torrey pine (*Pinus torreyana*), western sycamore (*Platanus racemosa*), bishop pine (*Pinus radiata*) and others, as appropriate for location.
- *Pesticides:* Use of pesticides shall be avoided, particularly when monarchs may be present. If pesticides are used, applications shall be conducted from March 15 through September 15, when possible. Herbicide shall not be applied on blooming flowers. Herbicide shall be applied during young plant phases, when plants are more responsive to treatment, and when monarchs and other pollinators are less likely to be nectaring on the plants. Whenever possible, targeted application herbicide methods shall be used, large-scale broadcast applications shall be avoided, and precautions shall be taken to limit off-site movement of herbicides (e.g., drift from wind and discharge from surface water flows). Neonicotinoids or other systemic insecticides, including coated seeds, should not be used any time of the year in monarch habitat due to their ecosystem persistence, systemic nature, and toxicity. Soil fumigants should not be used. Non-chemical weed control techniques should be used when possible.
- *Tropical milkweed and pathogens:* Non-native tropical milkweed should not be planted in order to minimize the spread of the pathogen *Ophryocystis elektroscirrha* (OE), and to encourage natural monarch migration. OE can build up on tropical milkweed because these plants are evergreen, and they do not die back in the winter. OE can be debilitating and/or lethal to monarchs. If possible, tropical milkweed should be removed and replaced with native, insecticide-free nectar plants suitable for the location.

Comment  
CDFW-11  
Cont'd

### Response to Comment CDFW-11.

This comment recommends LBUD prepare a long-term Monarch Butterfly Overwintering Habitat Management Plan.

LBUD acknowledges this comment. The project would occur primarily on existing paved surfaces with minimal disturbance to natural ground surfaces. Vegetation removal would be limited to one tree within a narrow band of landscaped Eucalyptus trees that is directly adjacent to an existing freeway (i.e., SR 22). Due to the small area of potential roosting habitat present and the location being situated within a heavily urbanized setting, the potential overwintering roost habitat for the monarch butterfly that is proposed to be impacted is marginal in quality. Furthermore, potential roosting habitat would not be permanently impacted by the project, as construction would be temporary and completed within approximately 2-3 months. Due to the nature of the project and the minimal impacts to marginal roosting habitat, a long-term Monarch Butterfly Overwintering Habitat Management Plan will not be prepared for this project.

**Comment #3: Impacts to Streams**

**Issue:** Project activities require the RW pipeline to be attached to the existing bridge on College Park Drive that crosses the San Gabriel River.

Comment  
CDFW-12

**Specific impacts:** According to page 44 of the MND, "[w]hile the pipe is being attached to the existing bridge, the contractor would employ methods to prevent material or debris from falling into the San Gabriel River; however, incidental debris may enter the watercourse however it is not intended to be significant, and no mitigation is required beyond the methods employed by the contractor". In addition, development on the

banks may result in erosion and earth movement that could impair streams. Vegetation along these drainages may also need to be removed or may be degraded through habitat modification (e.g., encroachment and edge effects leading to introduction of non-native plants).

**Why impacts would occur:** Development over and/or adjacent to the stream may result in ground-disturbing activities and vegetation removal. The MND does not include "methods to prevent material or debris from falling into the San Gabriel River." Ground-disturbing activities and vegetation removal could result in erosion. Siltation or runoff downstream could impair streams.

In addition, the MND does not recognize the potential need for a Fish and Game Code, section 1602 Lake and Streambed Alteration (LSA) Agreement. As a result, the Project could result in unmitigated impacts to streams and associated habitat.

Comment  
CDFW-12  
Cont'd

**Evidence impacts would be significant:** CDFW exercises its regulatory authority as provided by Fish and Game Code, section 1600 et seq. to conserve fish and wildlife resources which includes rivers, streams, or lakes and associated natural communities. Fish and Game Code, section 1602 requires any person, state or local governmental agency, or public utility to notify CDFW prior to beginning any activity that may do one or more of the following:

- Divert or obstruct the natural flow of any river, stream, or lake;
- Change the bed, channel, or bank of any river, stream, or lake;
- Use material from any river, stream, or lake; or,
- Deposit or dispose of material into any river, stream, or lake.

CDFW requires an LSA Agreement when a Project activity may substantially adversely affect fish and wildlife resources. The Project may result in significant impacts on streams and associated natural communities if development of sites identified by the Project or future projects would be in close proximity to these resources. Without appropriate mitigation, the Project continues to have a substantial adverse direct, indirect, and cumulative effect, either directly or through habitat modifications, on fish and wildlife resources, including rivers, streams, or lakes and associated natural communities identified by CDFW.

**Response to Comment CDFW-12.**

This comment summarizes CDFW-identified impacts to the San Gabriel River and proposes mitigation measures be incorporated in IS/MND and implemented during the Project.

LBUD acknowledges this comment. The contractor will be required to develop an erosion control plan for pipe installation on each side of the bridge for review and approval by the Project engineer and construction manager. In addition, the LBUD will incorporate a project commitment that will require the construction contractor to monitor the construction methods for work occurring near the San Gabriel River, on the College Park Drive Bridge. This commitment will require the construction contractor to prepare a plan based on their means and methods to ensure all debris is captured, and to prevent any debris from entering the San Gabriel River. This Project will have full-time third-party Construction Management and inspection services under the supervision of LBUD to ensure this approved plan is strictly followed. In addition, photographic and video documentation will be prepared for proof of documentation that who will ensure these mitigation measures commitments are strictly adhered to. Thus, no impacts to the San Gabriel River or its banks or structures are anticipated to occur during construction of the project.

**Recommended Potentially Feasible Mitigation Measure(s):**

Comment  
CDFW-13

**Mitigation Measure #4:** The City shall prepare a jurisdictional delineation and impact assessment for impacts to the San Gabriel River, including impacts to banks of the River.

**Response to Comment CDFW-13.**

This comment requests a jurisdictional delineation and impact assessment be prepared for impacts to the San Gabriel River, including impacts to banks of the River.

LBUD acknowledges this comment. Construction of the RW pipeline along College Park Drive, near the San Gabriel River, will not occur within the San Gabriel River's ordinary high water mark (OHWM) or its banks or structures. The RW pipeline would be brought above ground a few feet from the College Park Drive bridge and then attached to the bridge, adjacent to existing bridge utilities. Project activities near the banks of the San Gabriel River will include excavating a 4-ft wide by 4-ft to 6-ft deep trench, installing the 16-in HDPE pipe, and backfilling/compaction of soil. The contractor will be required to develop an erosion control plan for pipe installation on each side of the bridge for review and approval by the Project engineer and construction manager. In addition, LBUD will incorporate a project commitment that will require the construction contractor to monitor the construction methods for work occurring near the San Gabriel River, on the College Park Drive Bridge. This commitment will require the construction contractor to prepare a plan based on their means and methods to ensure all debris is captured, and to prevent any debris from entering the San Gabriel River. This Project will have full-time third-party Construction Management and inspection services under the supervision of LBUD to ensure this approved plan is strictly followed. In addition, photographic and video documentation will be prepared for proof of documentation that these commitments are strictly adhered to. Thus, no impacts to the San Gabriel River or its banks or structures are anticipated to occur during construction of the project.

Comment  
CDFW-14

**Mitigation Measure #5:** The City will be required to notify CDFW pursuant to Fish and Game Code, section 1602 and may need to obtain an LSA Agreement from CDFW prior

Comment  
CDFW-14  
Cont'd

to obtaining a grading permit. The City shall comply with the mitigation measures detailed in an LSA Agreement issued by CDFW. The City shall also provide compensatory mitigation for any impacted stream and associated natural community. Please visit CDFW's [Lake and Streambed Alteration Program](#) webpage for more information (CDFW 2024c).

**Response to Comment CDFW-14.**

This comment requests the CDFW be notified if any impacts to the San Gabriel River, or its banks, are to occur. In addition, this comment requests a Lake and Streambed Alteration (LSA) Agreement be obtained for the project prior to the Applicant obtaining a grading permit.

LBUD acknowledges this comment. As discussed in the *Response to Comment CDFW-13*, no impacts to the San Gabriel River or its banks or structures are anticipated to occur during construction of the project. Thus, an LSA Agreement is not required.

Comment  
CDFW-15

**Recommendation #3:** CDFW's issuance of an LSA Agreement for a project that is subject to CEQA will require CEQA compliance actions by CDFW as a Responsible Agency. As a Responsible Agency, CDFW may consider the CEQA document from the lead agency/project applicant for the project. To minimize additional requirements by CDFW pursuant to Fish and Game Code, section 1600 et seq. and/or under CEQA, a project's CEQA document should fully identify the potential impacts to the stream or riparian resources and provide adequate avoidance, mitigation, monitoring, and reporting commitments for issuance of the LSA Agreement. To compensate for any on- and off-site impacts to aquatic and riparian resources, additional mitigation conditioned in any LSA Agreement may include the following: erosion and pollution control measures; avoidance of resources; protective measures for downstream resources; on- and/or off-site habitat creation; enhancement or restoration; and/or protection and management of mitigation lands in perpetuity.

**Response to Comment CDFW-15.**

This comment states the issuance of an LSA Agreement will require CEQA compliance actions by CDFW as a Responsible Agency. As a Responsible Agency, CDFW may consider the CEQA document from the lead agency/project applicant for the project. In addition, this comment requests the IS/MND identify impacts to stream or riparian areas and provide adequate avoidance, mitigation, monitoring, and reporting commitments for issuance of the LSA Agreement.

LBUD acknowledges this comment. As discussed in the *Response to Comment CDFW-13*, no impacts to the San Gabriel River or its banks or structures are anticipated to occur during construction of the project. Thus, an LSA Agreement is not required.

Comment  
CDFW-16

**Recommendation #4 – Burrowing Owls:** The southern limits of the Project area contain suitable habitat for burrowing owl in the form of a landscaped area between College Park Drive and SR 22 and an open bare ground south of SR 22. Burrowing owls are known to inhabit anthropogenically altered habitat such as roadside shoulders and urban parks. The MND states, "disturbance to unpaved surfaces would result from installing the RW pipeline from where the Project alignment extends south of College Park Drive (Seal Beach)." Project activities may result in impacts to burrowing owls. The MND should be amended to include focused surveys for burrowing owl, per CDFW protocols. Burrowing owl protocol surveys should be conducted by a qualified biologist on the Project site and within 500 feet of the Project site where there is suitable habitat. In California, the burrowing owl breeding season extends from February 1 to August 31 with some variations by geographic location and climatic conditions. CDFW recommends the City amend MM BIO-02 and MM BIO-03 to exclude the ~~strike through~~ and include the underlined language:

"MM BIO-2: Burrowing Owl Survey. A qualified biologist will be employed to complete a pre-construction survey for burrowing owls 96 hours prior to ground disturbing activities conduct breeding season burrowing owl surveys. CDFW protocol states to conduct four survey visits: 1) at least one site visit between February 15 and April 15, and 2) a minimum of three survey visits, at least three weeks apart, between April 15 and July 15, with at least one visit after June 15, occurring in all suitable habitat for the burrowing owl. Surveys will be needed

along the portion of the Project alignment in the City of Seal Beach, California and south of College Park Drive including the landscaped area within SR 22 ROW and the HGS property. If active burrows (occupied by burrowing owl[s]) are identified, no Project activities will take place within ~~400~~ 200 feet of an active burrow (occupied by burrowing owl[s]).

Comment  
CDFW-16  
Cont'd

MM BIO-3 Burrowing Owl Mitigation Plan. The Project applicant should then prepare an Impact Assessment and Burrowing Owl Mitigation Plan in accordance with the 2012 Staff Report on Burrowing Owl Mitigation. The Project applicant shall contact CDFW to develop appropriate mitigation/management procedures. The Project applicant should submit a final Burrowing Owl Mitigation Plan to the City prior to the City issuing construction permits. No work should be conducted within the burrow until the offspring have fledged and left the burrow. Personnel working on the Project, including all contractors working on site, should be instructed on the presence of burrowing owls, restricted areas, and adherence to the buffer zone. No work should occur within the buffer zone. The specific buffer zone should be established in coordination with CDFW.

~~MM BIO-3: Burrowing Owl Relocation. If a burrowing owl or active burrow (occupied by burrowing owl[s]) cannot be avoided, a qualified biologist holding a permit from the U.S. Fish and Wildlife Service will be employed to relocate burrowing owl(s) from the Project area, as appropriate."~~

#### Response to Comment CDFW-16.

This comment requests revisions be made to the Burrowing Owl biological resources mitigation measures.

LBUD acknowledges this comment. Revisions for Mitigation Measures BIO-2 and BIO-3 within Section 4.4 Biological Resources, of the Public Review Draft IS/MND are included in Section 4.4 Biological Resources of the Final IS/MND.

#### MM BIO-2: Species Surveys.

- **Burrowing Owl.** A qualified biologist will be employed to conduct breeding season burrowing owl surveys. CDFW protocol states to conduct four survey visits: 1) at least one site visit between February 15 and April 15, and 2) a minimum of three survey visits, at least three weeks apart, between April 15 and July 15, with at least one visit after June 15, occurring in all suitable habitat for the burrowing owl. Surveys will be needed along the portion of the Project alignment in the City of Seal Beach, California and south of College Park Drive including the landscaped area within SR 22 ROW and the HGS property. If active burrows (occupied by burrowing owl[s]) are identified, no Project activities will take place within 200 feet of an active burrow (occupied by burrowing owl[s]).

**MM BIO-3: Burrowing Owl Mitigation Plan.** If burrowing owls are detected during the project's survey efforts, the Project construction contractor shall prepare an Impact Assessment and Burrowing Owl Mitigation Plan in accordance with the 2012 Staff Report on Burrowing Owl Mitigation. The Project construction contractor shall contact CDFW to develop appropriate mitigation/management procedures. The Project construction contractor should submit a final Burrowing Owl Mitigation Plan to the City prior to the City issuing construction permits. No work should be conducted within the burrow until the offspring have fledged and left the burrow. Personnel working on the Project, including all contractors working on site, should be instructed on the presence of burrowing owls, restricted areas, and adherence to the buffer zone. No work should occur within the buffer zone. The specific buffer zone should be established in coordination with CDFW.

No additional revisions are required. This would be considered a minor modification to the IS/MND, and thus would not require recirculation of the IS/MND (State CEQA Guidelines Section 15073.5).

Comment  
CDFW-17

**Recommendation #5 – Data:** CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a database [i.e., California Natural Diversity Database (CNDDDB)] which may be used to make subsequent or supplemental environmental determinations [Pub. Resources Code, § 21003, subd. (e)]. Special status species information should be submitted to the CNDDDB by completing the [Online Field Survey Form](#) (CDFW 2024d). To submit information on special status native plant populations and sensitive natural communities, the [Combined Rapid Assessment and Releve Form](#) should be completed and submitted to CDFW's Vegetation Classification and Mapping Program (CDFW 2024e). The City should ensure all pertinent data has been properly submitted, with all applicable data fields filled out, prior to finalizing/adopting the Project's environmental document. The data entry should also list pending development as a threat and then update this occurrence after impacts have occurred. The City should provide CDFW with confirmation of data submittal.

#### Response to Comment CDFW-17.

This comment requests the submittal of special status species information to the California Natural Diversity Database (CNDDDB) via the Online Field Survey Form, submittal of special status native plant population and sensitive natural communities to the CDFW's Vegetation Classification and Mapping Program via the Combined Rapid Assessment and Relevé Form, prior to finalizing and adopting the Project's IS/MND.

LBUD acknowledges this comment. LBUD will require the construction contractor to upload forms to the appropriate CDFW databases once pre-construction surveys have been completed.

Comment  
CDFW-18

#### Filing Fees

The Project, as proposed, would have an impact on fish and/or wildlife, and assessment of filing fees is necessary. Fees are payable upon filing of the Notice of Determination and serve to help defray the cost of environmental review by CDFW. Payment of the fee

Comment  
CDFW-18  
Cont'd

is required for the underlying Project approval to be operative, vested, and final (Cal. Code Regs., tit. 14, § 753.5; Fish & G. Code, § 711.4; Pub. Resources Code, § 21089).

#### Response to Comment CDFW-18.

This comment states CDFW filing fees are necessary and payable upon filing of the Notice of Determination.

LBUD acknowledges this comment. LBUD will pay necessary fees upon filing of the Notice of Determination. No further response is required.

Comment  
CDFW-19

#### Conclusion

We appreciate the opportunity to comment on the Project to assist the City in adequately analyzing and minimizing/mitigating impacts to biological resources. CDFW requests an opportunity to review and comment on any response that the City has to our comments and to receive notification of any forthcoming hearing date(s) for the Project [CEQA Guidelines, § 15073(e)]. If you have any questions or comments regarding this letter, please contact Felicia Silva, Senior Environmental Scientist (Specialist), at (562) 292-8105 or by email at [Felicia.Silva@wildlife.ca.gov](mailto:Felicia.Silva@wildlife.ca.gov)

#### Response to Comment CDFW-19.

This comment requests CDFW be provided an opportunity to review and comment on LBUD's response to CDFW comments. In addition, the comment requests CDFW be notified of any public hearing dates for the Project.

LBUD acknowledges this comment. LBUD will coordinate with CDFW on responses to CDFW-specific comments. No public hearings were requested during the public review period. No further response is required.

**DEPARTMENT OF TRANSPORTATION**

DISTRICT 7  
100 S. MAIN STREET, MS 16  
LOS ANGELES, CA 90012  
PHONE (213) 266-3574  
FAX (213) 897-1337  
TTY 711  
www.dot.ca.gov



*Making Conservation  
a California Way of Life*

February 16, 2024

Dennis Santos  
Long Beach Utilities Department  
1800 East Wardlow Road  
Long Beach, CA 90807

RE: Haynes Generating Station  
Recycled Water Pipeline Project –  
Mitigated Negative Declaration (MND)  
SCH #2024010488  
GTS #07-LA-2024-04430  
Vic. LA 22 PM 1.202  
ORA 22 PM 0.091

Dear Dennis Santos,

Thank you for including the California Department of Transportation (Caltrans) in the review process for the above referenced project. The Project consists of constructing a contiguous recycled water (RW) pipeline to serve LADWP’s Haynes Generating Station located in the City of Long Beach. The Project would be constructed within previously disturbed areas supporting numerous existing structures and subsurface utilities, City and State roadways, and associated surface improvements (i.e., paving, landscaping, and above-ground utilities). The RW pipeline would be constructed within the existing roadway right-of-way. The majority of the RW pipeline would be installed via the traditional method of open-cut trenching. A small section of the Project would be placed within a micro-tunnel steel casing that would be constructed under SR 22.

Comment  
Caltrans-1

Discretionary approvals for the proposed project include CEQA Clearance.

Comment  
Caltrans-2

The project is not located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5.

Comment  
Caltrans-3

After reviewing the MND, Caltrans has the following comments:

Comment  
Caltrans-4

The Los Angeles Department of Water and Power Haynes Generating Station Recycled Water Pipeline Project (ID: 31897) starts in Long Beach and continues into Seal Beach and beneath State Route 22 (SR-22) to the LADWP Haynes Generating Station in Seal Beach. It is consistent with CEQA Guidelines §15064.3, subdivision (b). The Project will install and operate a RW pipeline located mostly underground, except a small portion where the pipeline is installed aboveground on the College Park Drive Bridge over the San Gabriel River where it would be placed within a micro-tunnel steel casing and would be attached to the existing bridge structure under SR 22. Per City of Seal Beach's Evacuation Plan (2018), I-405 and SR-22 are possible evacuation routes. During construction, street and lane closures, as well as detours, will be implemented and could result in traffic delays. MM TR-1 requires implementing Traffic Control Plan (TCP) by the contractor to address temporary impacts to vehicles and pedestrians and would allow access to emergency vehicles. Hence, traffic and emergency access would not be impeded. After construction roadways would return to their pre-construction operational conditions. Coordination with local emergency services in both Long Beach and Seal Beach would be conducted as part of the TCP. By adopting this project and by implementing the proposed mitigation measures, the Project will not have any significant or unmitigable effects on the environment and on the SR-22. We look forward to reviewing the traffic control plan.

Comment  
Caltrans-4  
Cont'd

Project starts at the intersection of Atherton Street and Studebaker Road (RW map F1899) and continues south along Studebaker Road until Route 22 (RW map F1246-2). A portion of Studebaker Road shown in F1246-2 is within Caltrans right of way. Permits will be required to work within this portion of Studebaker Road. This Project will also involve other work directly within Caltrans Right of Way, which will require permits and reviews via the Office of Permits. Please submit encroachment permit application package to District 7 Encroachment Permit's office.

Comment  
Caltrans-5

**District 7 Encroachment Permit Office contact information:**

Address: 100 S Main Street, Ste 100 Los Angeles, CA 90012  
Hours: 8:00 a.m. to 5:00 p.m. Monday-Friday  
Phone: 213-897-3631  
Fax: 213-897-0420  
E-mail: [D7.Permits@dot.ca.gov](mailto:D7.Permits@dot.ca.gov)

District 7 will take the lead in processing, reviewing, and approving one application for the entire project, including the location that is within District 12's jurisdiction. In addition, for

Comment  
Caltrans-6

Comment  
Caltrans-6  
Cont'd

this project, permit 1223-6SV-0039 was previously issued to Kleinfelder for soil boring for groundwater and soil testing and temporary groundwater well installation at a bore location within State Right of Way in the parkway area between College Park Drive and SR-22 near Loyola Plaza in the City of Seal Beach. Part of the permit conditions were that the temporary groundwater well be removed at the end of project. When submitting permit application package to District 7, please ensure that plans include removal of the temporary well prior to project completion. Also, the District 12 Permit Inspector listed on this permit shall be provided with closing documents in relation to permit 1223- 6SV-0039.

Comment  
Caltrans-7

Finally, any transportation of heavy construction equipment and/or materials which requires use of oversized-transport vehicles on State highways will need a Caltrans transportation permit. We recommend large size truck trips be limited to off-peak commute periods.

If you have any questions, please contact project coordinator Anthony Higgins, at [anthony.higgins@dot.ca.gov](mailto:anthony.higgins@dot.ca.gov) and refer to GTS #07-LA-2024-04430.

Sincerely,

*Frances Duong*

Frances Duong  
Acting LDR/CEQA Branch Chief

Cc: State Clearinghouse

Comment  
Caltrans-5

## 2.5 California Department of Transportation (Caltrans) District 7

Comment Identifier: Caltrans

Date Response Received: 2/16/2024

Comment  
Caltrans-1

Thank you for including the California Department of Transportation (Caltrans) in the review process for the above referenced project. The Project consists of constructing a contiguous recycled water (RW) pipeline to serve LADWP's Haynes Generating Station located in the City of Long Beach. The Project would be constructed within previously disturbed areas supporting numerous existing structures and subsurface utilities, City and State roadways, and associated surface improvements (i.e., paving, landscaping, and above-ground utilities). The RW pipeline would be constructed within the existing roadway right-of-way. The majority of the RW pipeline would be installed via the traditional method of open-cut trenching. A small section of the Project would be placed within a micro-tunnel steel casing that would be constructed under SR 22.

### Response to Comment Caltrans-1

This comment provides introductory remarks and a brief description of the proposed project.

The comment does not contain any substantive comments or questions about the environmental analysis or conclusions contained in the Public Review Draft IS/MND. No further response is required.

Comment  
Caltrans-2

Discretionary approvals for the proposed project include CEQA Clearance.

### Response to Comment Caltrans-2

This comment states the project is subject to discretionary approval under the California Environmental Quality Act. LBUD acknowledges this comment. The comment states a fact and does not contain any substantive comments or questions about the environmental analysis, or conclusions contained in the Draft IS/MND. No further response is required.

Comment  
Caltrans-3

The project is not located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5.

### Response to Comment Caltrans-3

This comment states the project is not on a site included on a list of hazardous materials sites pursuant to Government Code Section 65962.5.

LBUD acknowledges this comment. As stated in Section 4.9 Hazards and Hazardous Materials, of the Public Review Draft IS/MND, an environmental database records search was conducted pursuant to Government Code 65962.5 in 2022. The results of that records search did not indicate any sites within the project's boundaries. As such, the project was found to not create a significant hazard to the public or the environment.

Comment  
Caltrans-4

After reviewing the MND, Caltrans has the following comments:

Comment  
Caltrans-4  
Cont'd

The Los Angeles Department of Water and Power Haynes Generating Station Recycled Water Pipeline Project (ID: 31897) starts in Long Beach and continues into Seal Beach and beneath State Route 22 (SR-22) to the LADWP Haynes Generating Station in Seal Beach. It is consistent with CEQA Guidelines §15064.3, subdivision (b). The Project will install and operate a RW pipeline located mostly underground, except a small portion where the pipeline is installed aboveground on the College Park Drive Bridge over the San Gabriel River where it would be placed within a micro-tunnel steel casing and would be attached to the existing bridge structure under SR 22. Per City of Seal Beach's Evacuation Plan (2018), I-405 and SR-22 are possible evacuation routes. During construction, street and lane closures, as well as detours, will be implemented and could result in traffic delays. MM TR-1 requires implementing Traffic Control Plan (TCP) by the contractor to address temporary impacts to vehicles and pedestrians and would allow access to emergency vehicles. Hence, traffic and emergency access would not be impeded. After construction roadways would return to their pre-construction operational conditions. Coordination with local emergency services in both Long Beach and Seal Beach would be conducted as part of the TCP. By adopting this project and by implementing the proposed mitigation measures, the Project will not have any significant or unmitigable effects on the environment and on the SR-22. We look forward to reviewing the traffic control plan.

#### Response to Comment Caltrans-4

This comment states the project is consistent with CEQA Guidelines 15064.3(b) and provides a summary of information related to transportation and traffic control from the Public Review Draft IS/MND. This comment notes Caltrans looks forward to reviewing the traffic control plan.

LBUD acknowledges this comment. As discussed in Section 4.17 Transportation of the Public Review Draft IS/MND, the project will implement a mitigation measure that requires the preparation and approval of specific traffic control plans for each phase of the project. Revisions for Mitigation Measure TR-1 within Section 4.17 Transportation, of the Public Review Draft IS/MND are included in Section 4.17 Transportation of the Final IS/MND. The mitigation measure has been revised to include the City of Seal Beach and Caltrans as a reviewer and specifies coordinating with Caltrans for any applicable permits.

**MM TR-1: Prepare Standard Traffic Control Plan (TCP).** During the final engineering phase and at least 30 days prior to construction, a construction TCP shall be prepared by the contractor and reviewed and approved by the lead agency. All traffic control plans shall be provided to the City of Seal Beach and Caltrans for review. In addition, coordination with Caltrans shall occur regarding the Project's need for any Caltrans permits.

The lane/street closures in the construction TCP shall be coordinated between the construction contractor, private businesses, public transit and bus operators, emergency service providers, and residents to minimize construction-related vehicular traffic impacts. During planned closures, traffic shall be re-routed to adjacent streets via clearly marked detours and notice shall be provided in advance to applicable parties (nearby residences, emergency service providers, public transit and bus operators, businesses, and organizers of special events). The TCP shall identify proposed closure schedules and detour routes, as well as construction traffic routes, including haul truck routes, and preferred delivery/haul-out location and hours to avoid heavily congested areas during peak hours, where feasible.

LBUD will require the construction contractor to provide the traffic control plans for all phases of the project to Caltrans for review. The comment does not contain any substantive comments or questions about the environmental analysis, or conclusions contained in the Draft IS/MND; thus, no further response is required.

Comment  
Caltrans-5

Project starts at the intersection of Atherton Street and Studebaker Road (RW map F1899) and continues south along Studebaker Road until Route 22 (RW map F1246-2). A portion of Studebaker Road shown in F1246-2 is within Caltrans right of way. Permits will be required to work within this portion of Studebaker Road. This Project will also involve other work directly within Caltrans Right of Way, which will require permits and reviews via the Office of Permits. Please submit encroachment permit application package to District 7 Encroachment Permit's office.

**District 7 Encroachment Permit Office contact information:**

Address: 100 S Main Street, Ste 100 Los Angeles, CA 90012  
Hours: 8:00 a.m. to 5:00 p.m. Monday-Friday  
Phone: 213-897-3631  
Fax: 213-897-0420  
E-mail: [D7.Permits@dot.ca.gov](mailto:D7.Permits@dot.ca.gov)

**Response to Comment Caltrans-5**

This comment states Caltrans permits will be required for portions of the project located within the Caltrans right-of-way (ROW) and would require review by the Caltrans Office of Permits. The comment includes a request for an encroachment permit application package to be sent to the Caltrans District 7 Encroachment Permit's Office and provides the contact information for the Caltrans District 7 Encroachment Permit's Office.

LBUD acknowledges this comment. Revisions for Mitigation Measure TR-1 within Section 4.17 Transportation, of the Public Review Draft IS/MND are included in Section 4.17 Transportation of the Final IS/MND. The mitigation measure has been revised to include the City of Seal Beach and Caltrans as a reviewer and specifies coordinating with Caltrans for any applicable permits.

**MM TR-1: Prepare Standard Traffic Control Plan (TCP).** During the final engineering phase and at least 30 days prior to construction, a construction TCP shall be prepared by the contractor and reviewed and approved by the lead agency. All traffic control plans shall be provided to the City of Seal Beach and Caltrans for review. In addition, coordination with Caltrans shall occur regarding the Project's need for any Caltrans permits.

The lane/street closures in the construction TCP shall be coordinated between the construction contractor, private businesses, public transit and bus operators, emergency service providers, and residents to minimize construction-related vehicular traffic impacts. During planned closures, traffic shall be re-routed to adjacent streets via clearly marked detours and notice shall be provided in advance to applicable parties (nearby residences, emergency service providers, public transit and bus operators, businesses, and organizers of special events). The TCP shall identify proposed closure schedules and detour routes, as well as construction traffic routes, including haul truck routes, and preferred delivery/haul-out location and hours to avoid heavily congested areas during peak hours, where feasible.

In addition, LBUD will have full-time construction management and inspection services to ensure all permit requirements are strictly adhered to. The comment does not contain any substantive comments or questions about the environmental analysis, or conclusions contained in the Draft IS/MND; thus, no further response is required.

Comment Caltrans-6 District 7 will take the lead in processing, reviewing, and approving one application for the entire project, including the location that is within District 12's jurisdiction. In addition, for this project, permit 1223-6SV-0039 was previously issued to Kleinfelder for soil boring for groundwater and soil testing and temporary groundwater well installation at a bore location within State Right of Way in the parkway area between College Park Drive and SR-22 near Loyola Plaza in the City of Seal Beach. Part of the permit conditions were that the temporary groundwater well be removed at the end of project. When submitting permit application package to District 7, please ensure that plans include removal of the temporary well prior to project completion. Also, the District 12 Permit Inspector listed on this permit shall be provided with closing documents in relation to permit 1223- 6SV-0039.

Comment Caltrans-6 Cont'd

### Response to Comment Caltrans-6

This comment states Caltrans District 7 will be the lead reviewing office for all Caltrans applications related to the project. It also provides a request for the temporary groundwater well, affiliated with the project, between College Park Drive and SR 22 near Loyola Plaza in the City of Seal Beach, be removed at the end of the project. This comment requests removal plans for the temporary groundwater well be included in the project's permit application to Caltrans District 7. This comment requests the District 12 Permit Inspector affiliated with the temporary groundwater well be provided with the well's closing documentation.

LBUD acknowledges this comment. LBUD will require the construction contractor to 1) direct all Caltrans applications to District 7, 2) include the decommission plans for the groundwater monitoring well, 3) include the District 12 Permit Inspector affiliated with the groundwater well be provided with the well's closing documentation, and 4) be responsible for groundwater and dewatering permits.

Comment Caltrans-7 Finally, any transportation of heavy construction equipment and/or materials which requires use of oversized-transport vehicles on State highways will need a Caltrans transportation permit. We recommend large size truck trips be limited to off-peak commute periods.

### Response to Comment Caltrans-7

This comment provides recommendations for construction traffic and transportation of construction equipment, and where to find information on Caltrans transportation permits.

LBUD acknowledges this comment. Revisions for Mitigation Measure TR-1 within Section 4.17 Transportation, of the Public Review Draft IS/MND are included in Section 4.17 Transportation of the Final IS/MND. The mitigation measure has been revised to include the City of Seal Beach and Caltrans as a reviewer and specifies coordinating with Caltrans for any applicable permits.

**MM TR-1: Prepare Standard Traffic Control Plan (TCP).** During the final engineering phase and at least 30 days prior to construction, a construction TCP shall be prepared by the contractor and reviewed and approved by the lead agency. All traffic control plans shall be provided to the City of Seal Beach and Caltrans for review. In addition, coordination with Caltrans shall occur regarding the Project's need for any Caltrans permits.

The lane/street closures in the construction TCP shall be coordinated between the construction contractor, private businesses, public transit and bus operators, emergency service providers, and residents to minimize construction-related vehicular traffic impacts. During planned closures, traffic shall be re-routed to adjacent streets via clearly marked detours and notice shall be provided in advance to applicable parties (nearby residences, emergency service providers, public transit and bus operators, businesses, and

organizers of special events). The TCP shall identify proposed closure schedules and detour routes, as well as construction traffic routes, including haul truck routes, and preferred delivery/haul-out location and hours to avoid heavily congested areas during peak hours, where feasible.

In addition, LBUD will have full-time construction management and inspection services to ensure all permit requirements are strictly adhered to. The comment does not contain any substantive comments or questions about the environmental analysis, or conclusions contained in the Draft IS/MND; thus, no further response is required.

**Brynn Taylor**

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**From:** BTaylor@aztec.us  
**Subject:** FW: Technical Data Request: Proposed Haynes Generating Station Recycled Water Pipeline Project

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**From:** Evelyn Aguilar <[eaguilar@aqmd.gov](mailto:eaguilar@aqmd.gov)>  
**Sent:** Thursday, January 25, 2024 4:31 PM  
**To:** Dennis Santos <[Dennis.Santos@lbwater.org](mailto:Dennis.Santos@lbwater.org)>  
**Cc:** Sam Wang <[swang1@aqmd.gov](mailto:swang1@aqmd.gov)>  
**Subject:** Technical Data Request: Proposed Haynes Generating Station Recycled Water Pipeline Project

-EXTERNAL-

Dear Dennis Santos,

Comment  
SCAQMD-1

South Coast AQMD staff received the Notice of Availability and Intent to Adopt an Initial Study/Mitigated Negative Declaration (IS/MND) for the **Proposed Haynes Generating Station Recycled Water Pipeline Project** (South Coast AQMD Control Number: LAC240123-01). Staff is currently in the process of reviewing the IS/MND. The public commenting period is from 1/16/2024 – 2/15/2024.

Comment  
SCAQMD-2

Upon review of the files provided as part of the public review period, I was able to access the IS/MND and Appendices on the [Lead Agency’s website](#).

Comment  
SCAQMD-3

Please provide an electronic copy of any live modeling and emission calculation files (complete files, not summaries) that were used to quantify the air quality impacts from construction and/or operation of the Proposed Project as applicable, including the following:

1. CalEEMod Input Files (.csv files);
1. Live EMFAC output files.

Comment  
SCAQMD-3  
Cont'd

You may send the above-mentioned files via a Dropbox link in which they may be accessed and downloaded by South Coast AQMD staff by **2/2/24**. Without all files and supporting documentation, South Coast AQMD staff will be unable to complete a review of the air quality analyses in a timely manner. Any delays in providing all supporting documentation will require additional time for review beyond the end of the comment period.

If you have any questions regarding this request, please contact me.

Thank you,

*Evelyn Aguilar*

*Air Quality Specialist, CEQA-IGR*

*Planning, Rule Development & Implementation*

*South Coast Air Quality Management District*

*21865 Copley Drive, Diamond Bar, CA 91765*

*Phone: 909-396-3148*

*E-mail: [eaguilar@aqmd.gov](mailto:eaguilar@aqmd.gov)*

***Hours of operation:***

***Tuesday - Friday 7:00 AM to 5:30 PM***

<image001.jpg>

***Cleaning the air that we breathe.....™***

## 2.6 South Coast Air Quality Management District (SCAQMD)

Comment Identifier: SCAQMD

Date Comment Received: 1/25/2024

Comment SCAQMD-1  
South Coast AQMD staff received the Notice of Availability and Intent to Adopt an Initial Study/Mitigated Negative Declaration (IS/MND) for the **Proposed Haynes Generating Station Recycled Water Pipeline Project** (South Coast AQMD Control Number: LAC240123-01). Staff is currently in the process of reviewing the IS/MND. The public commenting period is from 1/16/2024 – 2/15/2024.

### Response to Comment SCAQMD-1

This comment provides introductory remarks.

The comment does not contain any substantive comments or questions about the environmental analysis or conclusions contained in the Public Review Draft IS/MND. No further response is required.

Comment SCAQMD-2  
Upon review of the files provided as part of the public review period, I was able to access the IS/MND and Appendices on the [Lead Agency's website](#).

### Response to Comment SCAQMD-2

This comment states the SCAQMD was able to access the Public Review Draft IS/MND.

The Public Review Draft IS/MND, as well as the Final IS/MND, includes the Project's air quality analysis within an appendix. The Public Review Draft IS/MND and Final IS/MND, including all appendices, are available online. The comment does not contain any substantive comments or questions about the environmental analysis or conclusions contained in the Public Review Draft IS/MND. No further response is required.

Comment SCAQMD-3  
Please provide an electronic copy of any live modeling and emission calculation files (complete files, not summaries) that were used to quantify the air quality impacts from construction and/or operation of the Proposed Project as applicable, including the following:

1. CalEEMod Input Files (.csv files);
1. Live EMFAC output files.

### Response to Comment SCAQMD-3

This comment requests an electronic copy of the live modeling and emission calculation files that were used to quantify air quality impacts from the construction and operation of the project.

LBUD provided the requested files to the SCAQMD on January 31, 2024. SCAQMD acknowledged receipt of the files. No subsequent comments from SCAQMD were received during the public review period.

### 3 REVISIONS TO PUBLIC REVIEW DRAFT IS/MND

This section consists of text revisions to the Public Review Draft IS/MND as a result of agency comments received during the Project's public review period. The text revisions clarify, amplify, or make minor modifications to the Public Review Draft IS/MND. None of the revisions will result in new environmental impacts and will not cause any potentially significant effects on their own. The text revisions would be considered insignificant modifications (clarifications) to the Public Review Draft IS/MND, and thus would not require recirculation of the document (State CEQA Guidelines Section 15073.5).

All revisions to the Public Review Draft IS/MND are provided below under the relevant Public Review Draft IS/MND section. Text deletions are shown with ~~strike through~~ and text additions are shown with underline.

#### 3.1 Section 1.9 Surrounding Land Uses and Setting

Within Section 1.9, Surrounding Land Uses and Setting, text has been revised to define the ownership of College Park Drive bridge, as requested in a comment letter received by the City of Seal Beach. The revision is considered a clarification and has no effect on the analysis, or conclusions contained in the Public Review Draft IS/MND.

The following revisions were made under Section 1.9:

In the City of Long Beach, from the Studebaker Frontage Road to Anaheim Road, single family residences are located adjacent to the Project. South of Anaheim Road to E 9<sup>th</sup> Street commercial properties and parking lots are located adjacent to the Project area on the east and west side of Studebaker Road. South of E 9<sup>th</sup> Street, single family residences are located adjacent to the Project on the eastern side of Studebaker Road, Studebaker Access Road / SR 22 off-ramp, and on the northern side of College Park Drive. The College Park Drive bridge, owned and maintained by the Los Angeles County Department of Public Works, crosses the San Gabriel River and into Seal Beach.

#### 3.2 Section 1.10 Other Public Agencies whose Approval is Required

Within Section 1.10, Other Public Agencies whose Approval is Required, the City of Seal Beach has been added to the list of review agencies, as requested in a comment letter received by the City of Seal Beach. The addition is considered a clarification and has no effect on the analysis, or conclusions contained in the Public Review Draft IS/MND.

The following revisions were made under Section 1.10:

Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement) may include, but are not limited to:

- City of Long Beach – Encroachment and Traffic Control Permit
- Caltrans – Encroachment/Right to Enter Permit and Traffic Control Permit
- California State Water Resources Control Board – Dewatering Permit and Construction General Permit (CGP)/ Linear Underground Project (LUP) Type 2 (Issuance of a Waste Discharger Identification (WDID) Number)
- Los Angeles County Flood Control District (LACFCD) - Encroachment/Right to Enter Permit
- South Coast Air Quality Management District – Adherence to construction equipment rules for air emission regulations
- City of Seal Beach – Review of Project Design and Construction-related Items
- California Department of Fish and Wildlife – Adherence to mitigation measures for biological resources

### 3.3 Section 4.4 Biological Resources

Within Section 4.4, Biological Resources, MM BIO-1 has been revised to incorporate mitigation measure language for the monarch butterfly; MM BIO-2 has been revised to incorporate inclusive language for the burrowing owl, Crotch's bumble bee, and monarch butterfly; and MM BIO-3 has been revised to refine mitigation measure language for the burrowing owl, as requested in a comment letter received by the California Department of Fish and Wildlife. On March 14, 2024, LBUD met with the CDFW to discuss the comments in their comment letter, and to present the LBUD's prepared responses to CDFW-comments. The meeting concluded with the CDFW in agreement with the revised biological resources mitigation measure language (MM BIO-1 to MM BIO-3), and CDFW-response to comments within this document. The revisions are considered a clarification and have no effect on the analysis, or conclusions contained in the Public Review Draft IS/MND.

The following revisions were made under Section 4.4 *Impacts Analysis (a)*:

**MM BIO-1: Vegetation Removal.** Vegetation removal activities will be scheduled outside of nesting bird (breeding) season for bird species known to occur within the Project area (October through December), if possible. If vegetation removal activities occur between January 1 and September 30, nesting bird surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if an active nest is present. Vegetation removal can occur once the nest is confirmed to be no longer active. If vegetation removal activities occur between September 16 and March 14, roosting monarch surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if monarch roosting sites are present. Vegetation removal can occur once a qualified biologist has confirmed that the overwintering monarchs have vacated the roosting site in the spring.

**MM BIO-2: Species Surveys.**

- **Burrowing Owl Survey.** A qualified biologist will be employed to ~~complete a pre-construction survey for burrowing owls 96 hours prior to ground disturbing activities~~ conduct breeding season burrowing owl surveys. CDFW protocol states to conduct four survey visits: 1) at least one site visit between February 15 and April 15, and 2) a minimum of three survey visits, at least three weeks apart, between April 15 and July 15, with at least one visit after June 15, occurring in all suitable habitat for the burrowing owl. Surveys will be needed along the portion of the Project alignment in the City of Seal Beach, California and south of College Park Drive including the landscaped area within SR 22 ROW and the HGS property. If active burrows (occupied by burrowing owl[s]) are identified, no Project activities will take place within ~~100~~200 feet of an active burrow (occupied by burrowing owl[s]).
- **Crotch's Bumble Bee.** Focused surveys for Crotch's bumble bee will be conducted prior to construction by a qualified entomologist. A minimum of three surveys will be needed throughout the entire Project site prior to construction and shall occur at least two to four weeks apart. If Crotch's bumble bee are detected, no work shall occur in that area until LBUD has coordinated with the CDFW to determine appropriate avoidance and minimization measures, and/or obtain necessary approvals. A qualified entomologist will be employed to complete a pre-construction survey for Crotch's bumble bee during the appropriate flying season (April – August). Pre-construction surveys will be conducted within 48 hours prior to initial ground disturbance and vegetation removal.
- **Monarch Butterfly.** Roosting monarch surveys will be conducted prior to construction by a qualified biologist. Surveys will be needed throughout the entire Project site. An overwintering grove habitat and impact assessment will be completed after the season appropriate surveys. If overwintering grove habitat is detected, no work shall occur in that area until LBUD has coordinated with the CDFW to determine appropriate avoidance and minimization measures, and/or obtain necessary approvals. If vegetation removal activities occur between September 16 and March 14, roosting monarch surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if

monarch roosting sites are present. Vegetation removal can occur once a qualified biologist has confirmed that the overwintering monarchs have vacated the roosting site in the spring.

**MM BIO-3: Burrowing Owl Relocation Mitigation Plan.** ~~If a burrowing owl or active burrows (occupied by burrowing owl[s]) cannot be avoided, a qualified biologist holding a permit from the U.S. Fish and Wildlife Service will be employed to relocate burrowing owl(s) from the Project area, as appropriate. If burrowing owls are detected during the project's survey efforts, the Project construction contractor shall prepare an Impact Assessment and Burrowing Owl Mitigation Plan in accordance with the 2012 Staff Report on Burrowing Owl Mitigation. The Project construction contractor shall contact CDFW to develop appropriate mitigation/management procedures. The Project construction contractor should submit a final Burrowing Owl Mitigation Plan to the City prior to the City issuing construction permits. No work should be conducted within the burrow until the offspring have fledged and left the burrow. Personnel working on the Project, including all contractors working on site, should be instructed on the presence of burrowing owls, restricted areas, and adherence to the buffer zone. No work should occur within the buffer zone. The specific buffer zone should be established in coordination with CDFW.~~

As a result of revisions to Mitigation Measures BIO-2 and BIO-3, text referencing Mitigation Measures BIO-2 and BIO-3 within Section 4.4, Biological Resources, has been revised to incorporate minor correction to text describing the mitigation measures. The revisions are considered a clarification and have no effect on the analysis, or conclusions contained in the Public Review Draft IS/MND.

The following revisions were made under Section 4.4 *Impacts Analysis (a)*:

Burrowing owls often inhabit landscapes highly altered by human activity such as agricultural areas, along roadsides and water conveyance structures, and within urban parks (Shuford and Gardali, 2008). No burrowing owl surveys were conducted for the Project; however, a biologist reviewed aerial and street view imagery of the Project area for the presence of suitable habitat. The southern limits of the Project area does contain suitable habitat for the burrowing owl in the form of a landscaped area between College Park Drive and SR 22 and an open, bare ground lot south of SR 22 (Seal Beach). Minor ground disturbance to unpaved surfaces would result from installing the RW pipeline from where the Project alignment extends south of College Park Drive (Seal Beach). If burrowing owls are present within the Project footprint during active construction, they may be impacted by ground disturbing activities. Therefore, the Project would implement mitigation measures in order to avoid impacts to burrowing owls. Implementation of MM BIO-2 and MM BIO-3 would reduce potential impacts to the burrowing owl to less than significant. Implementation of MM BIO-2 requires that a qualified biologist ~~complete burrowing owl surveys ahead of ground disturbing activities~~ conduct breeding season burrowing owl surveys, while MM BIO-3 requires that an Impact Assessment and Burrowing Owl Mitigation Plan be prepared if any burrowing owls occupying the construction limits cannot be avoided, a qualified individual holding a permit with the USFWS shall relocate the owl(s) are detected during the Project's survey efforts. Implementation of these MMs would reduce impacts to burrowing owls by identifying if owls are occupying the construction limits and if so, construction activities can avoid the owl(s) entirely or the owl(s) can be relocated out of harms way.

### 3.4 Section 4.17 Transportation

Within Section 4.17, Transportation, MM TR-1 has been revised to include the City of Seal Beach and Caltrans as reviewers of the Project's traffic control plans, and includes coordination with Caltrans for applicable Caltrans, as requested in comment letters received by the City of Seal Beach and Caltrans. The revisions are considered a clarification and have no effect on the analysis, or conclusions contained in the Public Review Draft IS/MND.

The following revisions were made under Section 4.17 *Impacts Analysis (d)*:

**MM TR-1: Prepare Standard Traffic Control Plan (TCP).** During the final engineering phase and at least 30 days prior to construction, a construction TCP shall be prepared by the contractor and reviewed and approved by the lead agency. All traffic control plans shall be provided to the City of Seal Beach and Caltrans for review. In addition, coordination with Caltrans shall occur regarding the Project's need for any Caltrans permits.

The lane/street closures in the construction TCP shall be coordinated between the construction contractor, private businesses, public transit and bus operators, emergency service providers, and residents to minimize construction-related vehicular traffic impacts. During planned closures, traffic shall be re-routed to adjacent streets via clearly marked detours and notice shall be provided in advance to applicable parties (nearby residences, emergency service providers, public transit and bus operators, businesses, and organizers of special events). The TCP shall identify proposed closure schedules and detour routes, as well as construction traffic routes, including haul truck routes, and preferred delivery/haul-out location and hours to avoid heavily congested areas during peak hours, where feasible.

### 3.5 Section 4.21 Mandatory Findings of Significance

A statement has been included within Section 4.21, Mandatory Findings of Significance, referencing the revised Mitigation Measures BIO-1 through BIO-3, and coordination with CDFW. The revisions are considered a clarification and have no effect on the analysis, or conclusions contained in the Public Review Draft IS/MND.

The following revisions were made under Section 4.21 *Impacts Analysis (a)*:

**Less Than Significant Impact with Mitigation Incorporated.** Based on the foregoing analysis and commitments, the Project would not have the potential to 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, or substantially reduce the number or restrict the range of a rare or endangered plant or animal. As discussed in Section IV, Project construction activities occurring during the nesting bird season could indirectly impact birds protected under the Migratory Bird Treaty Act; and ground disturbing Project activities could impact burrowing owls. As a result of coordination with CDFW, the biological resources mitigation measures have been revised to incorporate inclusive language for the burrowing owl, Crotch's bumble bee, and monarch butterfly. ~~However~~ Thus, implementation of MM BIO-1 through MM BIO-3 would reduce potential impact to nesting migratory birds and burrowing owls to less than significant.