NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION

	s hereby given that the p at the following location:	ublic agency named below has completed an Initial Study of the following described			
Public A	Agency:	El Toro Water District			
Project 1	Name:	Phase II Recycled Water Distribution System Expansion Project			
Project Description:		The El Toro Water District (ETWD) is proposing to expand the existing Recycled Water Distribution System to allow for delivery of up to 300 acre-feet per year (afy) of additional tertiary-treated recycled water to existing dedicated irrigation customers within the ETWD service area. The proposed distribution system expansion project would be supplied by the existing tertiary treatment plant. As the lead agency under the California Environmental Quality Act (CEQA), the ETWD has prepared an Initial Study/Draft Mitigated Negative Declaration (IS/MND), which evaluates the potential environmental effects of the proposed Phase II Recycled Water Distribution System Expansion Project (proposed project).			
		The proposed project would include construction of approximately 28,500 feet or 5.4 miles of recycled water pipelines beneath existing roadways. The pipelines would require excavation depths of 5 to 7 feet within the existing paved roadways. There are existing utilities within these roadways at approximately 8 feet in depth. Once completed, the maximum amount of recycled water to be delivered to the project area would be 300 afy, and would remain within the permitted capacity of the existing ETWD water recycling plant (WRP). The system would be supplied from the existing Recycled Water Tertiary Treatment Plant at the ETWD WRP.			
Project Location – Identify street address and cross streets or attach a map showing project site (preferably a USGS 15' or 7 1/2' topographical map identified by quadrangle name):		The proposed project is located in Orange County, within the City of Laguna Woods in the Laguna Woods Village community. Regional access to the project area is via Interstate 5. The proposed project consists of approximately 5.4 miles of 4-inch-diameter to 10-inch-diameter pipeline within existing roads in residential neighborhoods within Laguna Woods. The proposed project area consists of two locations. The first is northwest of El Toro Road and is generally bounded by Via Carrizo, Monte Hermoso, and Via Buena Vista. The second is north of El Toro Road and Paseo De Valencia west of Avenida De La Carlota.			
Environmental Quality Act. Thi significant effect on the environ project will not have a significant		d in accordance with the Lead Agency's Guidelines for Implementing the California Initial Study was undertaken for the purpose of deciding whether the project may have a ment. On the basis of such Initial Study, the Lead Agency's Staff has concluded that the att effect on the environment, and has therefore prepared a Draft Mitigated Negative flects the independent judgment of the Lead Agency.			
	The Project site IS on a	list compiled pursuant to Government Code section 65962.5.			
\boxtimes	The Project site IS NOT	Γ on a list compiled pursuant to Government Code section 65962.5.			
	The proposed project IS considered a project of statewide, regional or areawide significance.				
\boxtimes	The proposed project IS NOT considered a project of statewide, regional or areawide significance.				
	The proposed project W State Department of Tra	VILL affect highways or other facilities under the jurisdiction of the ansportation.			
\boxtimes	The proposed project W Department of Transpo	VILL NOT affect highways or other facilities under the jurisdiction of the State rtation.			
	A scoping meeting WII	LL be held by the Lead Agency.			
\boxtimes	A scoping meeting WII	LL NOT be held by the Lead Agency.			

Copies of the Initial Study and Draft Mitigated Negative Declaration are on file and are available for public review at the Lead Agency's office, located at:

24251 Los Alisos Boulevard

Lake Forest, California 92630

The ETWD hours of operation are 7:30 a.m. to 4:00 p.m., Monday through Thursday, and 7:30 a.m. to 3:00 p.m. alternate Fridays (ETWD is closed every other Friday).

The MND will also be available at the Laguna Woods Library, located at:

24264 El Toro Road

Laguna Woods, California 92637

The proposed Mitigated Negative Declaration can be obtained in electronic format by the following method:

Request form the El Toro Water District at (949) 837-7050 or online at www.etwd.com

Lead Agency address:

El Toro Water District

24251 Los Alisos Boulevard

Lake Forest, California 92630

Attn: Mr. Dennis Cafferty, Assistant General Manager/District Engineer

Comments will be received from January 14, 2016 to February 12, 2016

Any person wishing to comment on this matter must submit such comments, in writing, to the Lead Agency prior to February 12, 2016. Comments of all Responsible Agencies are also requested.

The Lead Agency will consider the project and the Mitigated Negative Declaration at its meeting on:

Date: February 23, 2016 and February 25, 2016

Time:

7:30 AM to 10:00 AM

If the Lead Agency finds that the project will not have a significant effect on the environment, it may adopt the Mitigated Negative Declaration. This means that the Lead Agency may proceed to consider the project without the preparation of an Environmental Impact Report.

Date Received	
for Filing:	
_	Dennis P. Cafferty

Assistant General Manager / District Engineer

(Clerk Stamp Here)

DRAFT

Mitigated Negative Declaration for the Phase II Recycled Water Distribution System Expansion Project

Prepared for:

El Toro Water District

24251 Los Alisos Boulevard
Lake Forest, California 92630
Contact: Mr. Dennis Cafferty, Assistant General Manager/District Engineer
Telephone: 949.837.7050

Prepared by:

DUDEK

31878 Camino Capistrano, Suite 200 San Juan Capistrano, California 92675 Contact: Rachel Struglia, Project Manager

JANUARY 2016



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ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
ACOE	U.S. Army Corps of Engineers
afy	acre-feet per year
Air Basin	South Coast Air Basin
APE	Area of Potential Effects
AQMP	Air Quality Management Plan
BMP	best management practice
CAAQS	California Ambient Air Quality Standards
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CBC	California Building Code
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CFGC	California Fish and Game Code
CO	carbon monoxide
CO₂E	carbon dioxide equivalent
dB	decibel
dBA	A-weighted decibel
EIR	environmental impact report
EPA	U.S. Environmental Protection Agency
ETWD	El Toro Water District
FEMA	Federal Emergency Management Agency
GHG	greenhouse gas
GPS	Global Positioning System
HCP	Habitat Conservation Plan
L _{eq}	equivalent continuous noise level
LST	Localized Significance Threshold
MBTA	Migratory Bird Treaty Act
MND	Mitigated Negative Declaration
MWD	Metropolitan Water District of Southern California
MWDOC	Municipal Water District of Orange County
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NCCP	Natural Communities Conservation Plan
NO ₂	nitrogen dioxide
NO _x	oxides of nitrogen
NPDES National Pollution Discharge Elimination System	
O ₃	ozone
PCE	Perchloroethylene
PM ₁₀	particulate matter less than or equal to 10 microns in diameter
PM _{2.5}	particulate matter less than or equal to 2.5 microns in diameter



Acronym/Abbreviation	Definition
RWQCB	Regional Water Quality Control Board
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coastal Information Center
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
USFWS	U.S. Fish and Wildlife Service
VOC	volatile organic compound
WRP	Water Recycling Plant



1 INTRODUCTION

1.1 Background

The El Toro Water District (ETWD), founded in 1960, provides domestic water; recycled water; and sanitary sewer collection, treatment, and disposal services to a population of nearly 50,000 in a 5,430-acre service area that includes portions of the cities of Aliso Viejo, Lake Forest, Laguna Hills, Mission Viejo, and all of the city of Laguna Woods. ETWD imports potable water from the Municipal Water District of Orange County (MWDOC). MWDOC is a member agency of the Metropolitan Water District of Southern California (MWD). The balance of ETWD's water supply is made up of locally produced recycled water.

ETWD operates an existing water recycling plant (WRP) that has treatment facilities capable of producing up to 3.7 million gallons per day of tertiary treated recycled water. Tertiary treated water is supplied to a recycled water distribution system consisting of approximately 20 miles of recycled water pipelines and more than 200 dedicated irrigation meters. The recycled water system supplies as much as 1,450 acre-feet per year (afy) of tertiary treated recycled water for irrigation in Laguna Woods and Laguna Hills. The remaining secondary effluent is discharged to the Pacific Ocean via the South Orange County Wastewater Authority Effluent Transmission Main.

ETWD is proposing to expand the Recycled Water Distribution System to allow for delivery of up to 300 afy of additional tertiary-treated recycled water to existing dedicated irrigation customers within the ETWD service area. The proposed distribution system expansion project would be supplied by the existing tertiary treatment plant.

1.2 Project Need and Objectives

ETWD relies on imported treated water from MWD to meet 85% of its water demands. The remaining 15% comes from recycled water from the WRP. The WRP is one of the oldest water recycling plants in Orange County, having provided recycled water for golf course irrigation since 1963. The current recycled water demand for the existing users is estimated at approximately 1,450 afy (900 gallons per minute); however, recycled water demand as high as 1,825 gallons per minute occurs during projected maximum day summer conditions.

Although ETWD has been able to meet its water demands, the future reliability of the majority of the water supply is dependent on MWD and its imported water system. According to the ETWD Urban Water Management Plan, with existing supplies, MWD will be able to meet demands of its member agencies from 2015 through 2035 during normal years, single-dry years, and multiple-dry years (ETWD 2011).

Despite this projection, given the current drought conditions, ETWD desires to reduce its demand for imported water by increasing the distribution area of its recycled water system for irrigation and potentially other uses within its service area. The proposed Phase II Recycled Water Distribution System Expansion Project (proposed project) would allow for increased delivery of recycled water to existing ETWD customers.

1.3 California Environmental Quality Act Authority to Prepare a Negative Declaration

ETWD is the California Environmental Quality Act (CEQA) lead agency responsible for review and approval of the proposed project. Based on the findings of the Initial Study, ETWD made the determination that a Mitigated Negative Declaration (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 21064.5, an MND may be prepared for a project subject to CEQA when an Initial Study has identified no potentially significant effects on the environment.

This MND was prepared by ETWD and is in conformance with Section 15070(a) of the CEQA Guidelines (14 California Code of Regulations (CCR) 15000 et seq.) and in compliance with the ETWD 2015 Local Guidelines for Implementing the California Environmental Quality Act (ETWD 2015). The purpose of the MND and the Initial Study checklist is to determine any potentially significant impacts associated with the proposed project and to incorporate mitigation measures into project design, as necessary, to reduce or eliminate significant or potentially significant effects of the project.

1.4 CEQA-Plus Evaluation

ETWD is seeking funding from the State Water Resources Control Board (SWRCB), Division of Financial Assistance Water Recycling Funding Program. As required by the SWRCB, a "CEQA-Plus" evaluation was completed for the proposed project. The SWRCB requires that projects undergo CEQA-Plus evaluations to comply with federal regulations. The results of this evaluation are provided in the CEQA-Plus Evaluation section within each relevant resource area (e.g., biological resources).

1.5 List of Discretionary Actions

Approval of the following discretionary actions will be required to implement the proposed project:

• Approval of the project by the ETWD Board of Directors

1.6 Other Agencies that May Use the Mitigated Negative Declaration

This MND is intended for use by responsible and trustee agencies that may have an interest in reviewing the project. All responsible and trustee agencies for the project, listed as follows, will, therefore, be asked to review this document:

- State Water Resources Control Board
- Regional Water Quality Control Board Region 8
- Regional Water Quality Control Board Region 9
- State Water Resources Control Board Division of Drinking Water
- Third Laguna Hills Mutual
- United Laguna Hills Mutual
- Golden Rain Foundation

1.7 Public Review Process

In accordance with CEQA, a good-faith effort was made during preparation of this MND to contact affected agencies, organizations, and persons who may have an interest in this project.

In reviewing the MND, affected public agencies and the interested public should focus on the sufficiency of the document in identifying and analyzing the project's possible impacts on the environment. A copy of the Draft MND and related documents are available for review at ETWD (see address below) from 7:30 a.m. to 4:00 p.m., Monday through Thursday, and 7:30 a.m. to 3:00 p.m. alternate Fridays. ETWD is closed every other Friday.

El Toro Water District 24251 Los Alisos Boulevard Lake Forest, California 92630

The document is also available on ETWD's website (www.etwd.com).

Comments on the MND may be made in writing before the end of the public review period. A 30-day review and comment period from January 14, 2016, to February 12, 2016, has been established in accordance with Section 15072(a) of the CEQA Guidelines. Following the close of the public comment period, ETWD will consider this MND and comments thereto in determining whether to approve the proposed project.



Written comments on the MND should be sent to the following address by 4 p.m. on February 12, 2016.

El Toro Water District
24251 Los Alisos Boulevard
Lake Forest, California 92630
Contact: Mr. Dennis Cafferty,
Assistant General Manager/District Engineer
949.837.7050
dcafferty@etwd.com

2 PROJECT DESCRIPTION

2.1 Project Location

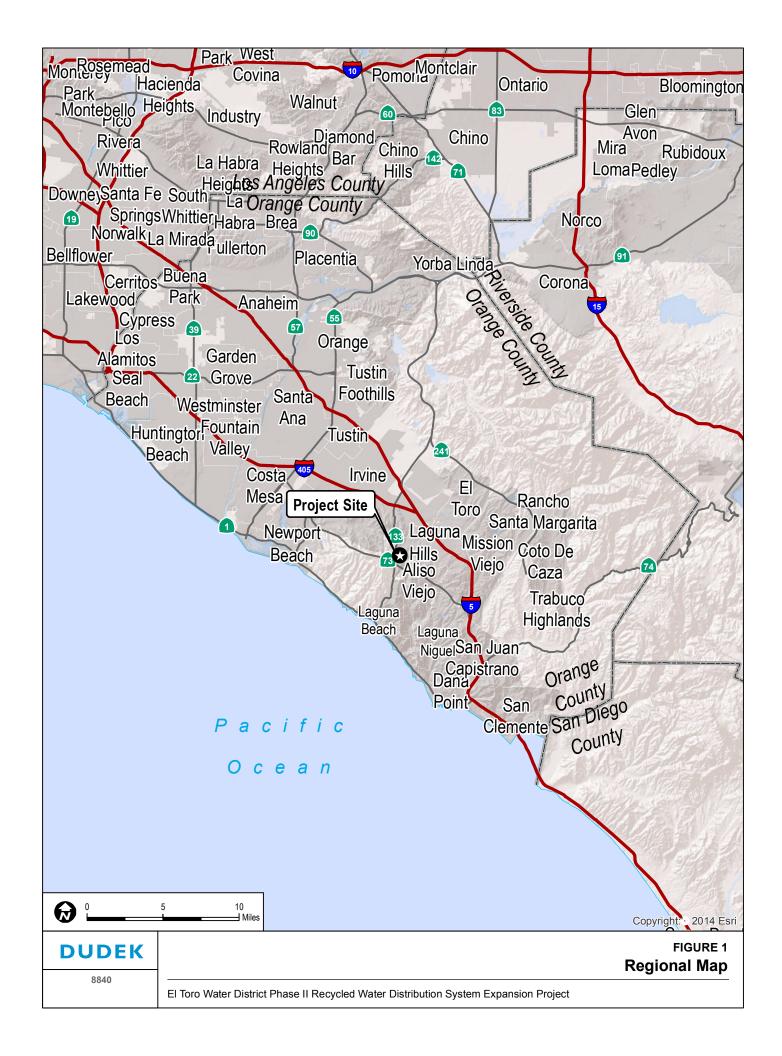
The proposed Phase II Recycled Water Distribution System Expansion Project (proposed project or project) is located in Orange County, within the City of Laguna Woods in the Laguna Woods Village community. Regional access to the project area is via Interstate 5 (Figure 1). The proposed project consists of approximately 5.4 miles of 4-inch-diameter to 10-inch-diameter pipeline within existing roads in residential neighborhoods within Laguna Woods (Figures 2 and 3). The proposed project area consists of two locations. The first is northwest of El Toro Road and is generally bounded by Via Carrizo, Monte Hermoso, and Via Buena Vista. The second is north of El Toro Road and Paseo De Valencia west of Avenida De La Carlota.

2.2 Environmental Setting

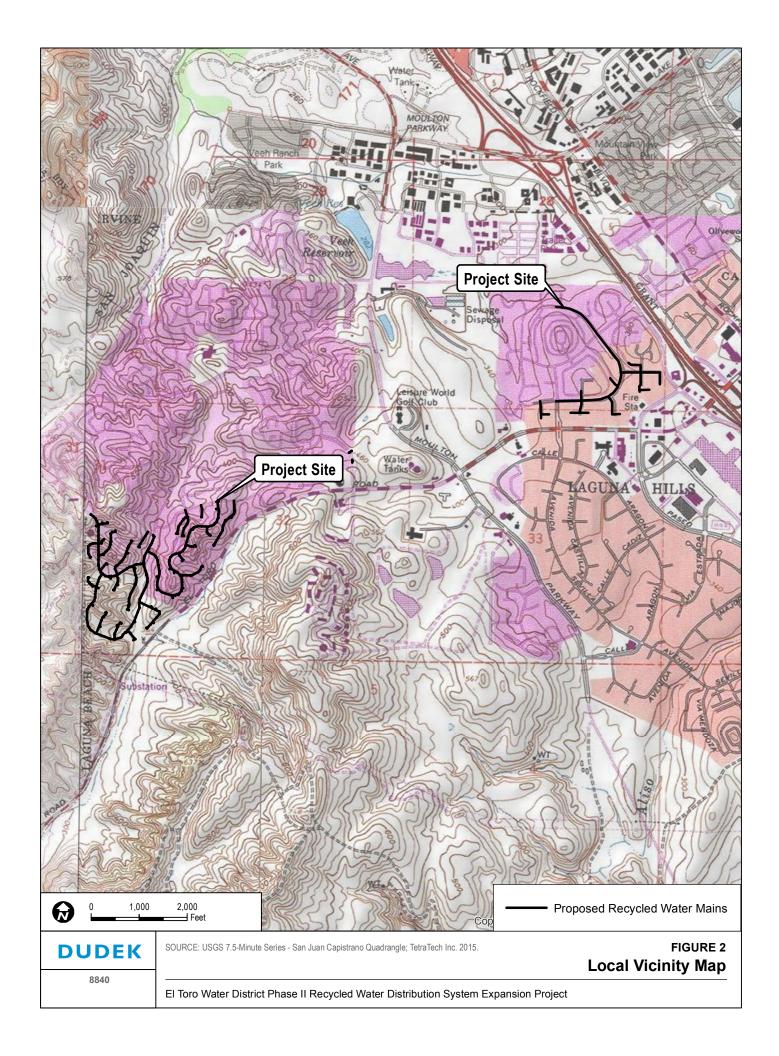
The project site is located under existing private paved roadways within the City of Laguna Woods in the Laguna Woods Village community. Construction staging and parking areas would be located on the ETWD WRP site. Vehicular access into the project site would be from El Toro Road and local streets.

The general vicinity surrounding the project site is developed with a mix of residential uses (City of Laguna Woods 2015a). Single- and multi-family development, parks, and other community facilities surround the project area, as does Laguna Coast Wilderness Park, which is located to the west.

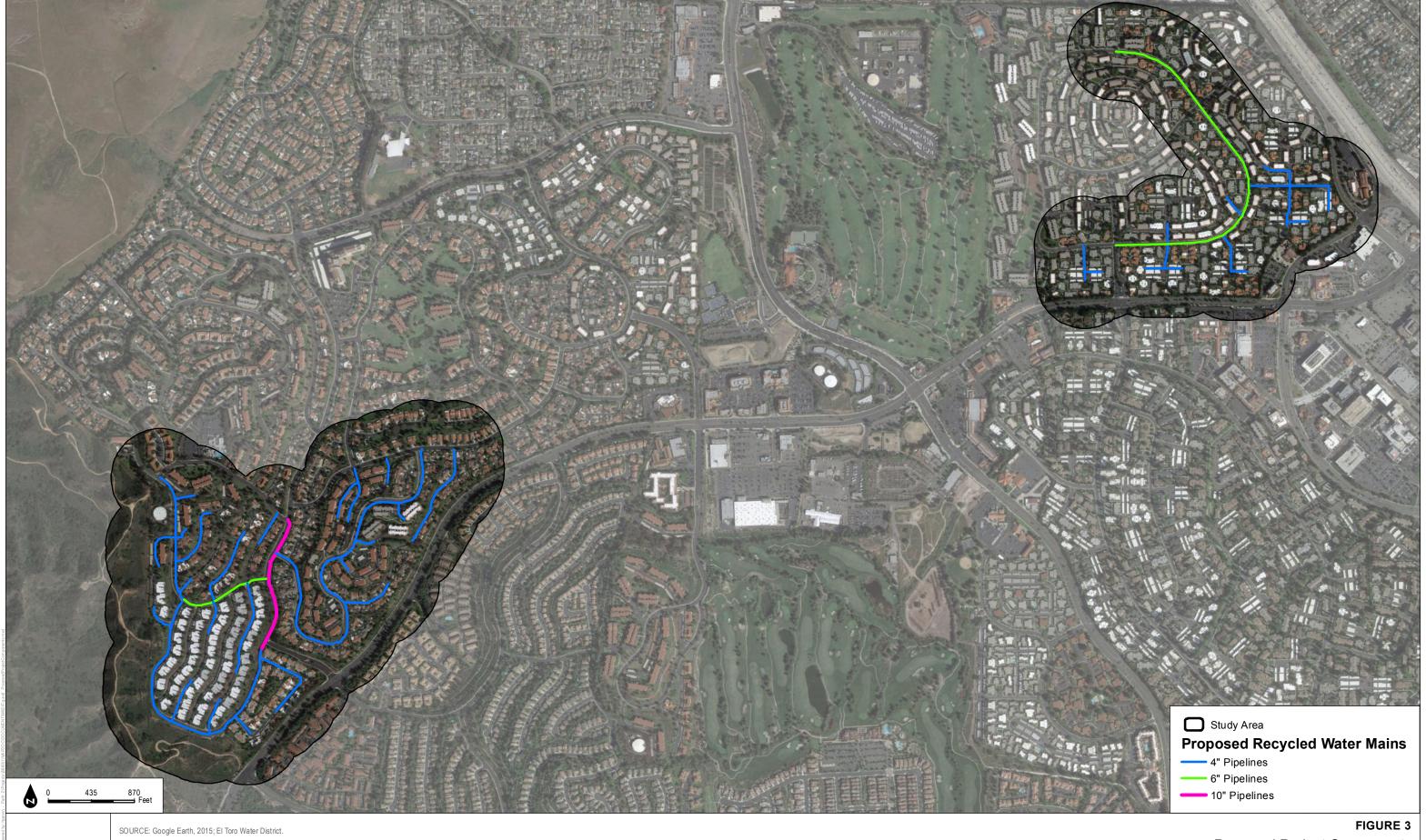












El Toro Water District Phase II Recycled Water Distribution System Expansion Project

DUDEK

Proposed Project Components

2.3 Project Characteristics

2.3.1 Project Description

The proposed project would include construction of approximately 28,500 feet or 5.4 miles of recycled water pipelines beneath existing roadways. The pipelines would range in size from 4 to 10 inches in diameter, depending on the location. As described in more detail in Section 2.3.2, the pipelines would require excavation depths of 5 to 7 feet within the existing paved roadways. There are existing utilities within these roadways at approximately 8 feet in depth. Once completed, the maximum amount of recycled water to be delivered to the project area would be 300 afy, and would remain within the limits of the WRPs permitted capacity.

The project would be located within the City of Laguna Woods. The system would be supplied from the existing Recycled Water Tertiary Treatment Plant at the ETWD WRP. Figure 3 shows the proposed project components and boundary.

2.3.2 Project Construction and Schedule

Project implementation is anticipated to initiate in 2016; the first few months of the construction process would involve mobilization, submittals, and permitting. Construction of the proposed project would commence in approximately March 2016 and would last approximately 15 months, ending in July 2017.

The proposed project would entail expansion of the existing recycled water distribution system and would be completed by one or two contractors. It was assumed that one or two contractors would perform construction activities simultaneously.

Project construction would consist of saw-cutting the road to prepare for pipe installation. The sequence of activity would start with trenching and excavating, followed by installing pipe, and then covering the pipe and paving the area. Pipe installation would involve partially filling the trench with sand, laying pipe, and then adding more sand and backfill material. Excavation to approximately 5 to 7 feet in depth would be required. The length of each trench is anticipated to be approximately 300 to 400 feet. It is assumed that the contractor would complete construction of approximately 150 to 200 linear feet of pipeline per day, but could construct up to 600 linear feet in 1 day. Assuming concurrent construction by two contractors, approximately 300 to 1,200 linear feet of pipeline installation would occur each day. Steel plates or base pavement would be installed if an excavated area is left open at the end of the day. Paving disturbed roads would occur periodically throughout the pipe installation phase, from March 2016 through December 2016. This paving would occur approximately 1 week of every month over a 9-month period. After pipe installation is completed, a portion of the paved roads would require light grading and reapplication of pavement (i.e., grind and

cap paving), which would occur during the last month of project construction. Retrofit work would occur from January 2017 through July 2017 and would involve the connection of water meters to the existing irrigation system. Construction phasing is anticipated as follows:

- Site preparation, concrete saw cutting the first 2 days of each month over 9 months, starting in March 2016 and ending in December 2016, for a total of 18 days in 2016
- Trenching, pipe installation 9 months, starting in March 2016 and ending in December 2016
- Paving, continual approximately 5 days in each month over 9 months, starting in March 2016 and ending in December 2016, for a total of 45 days in 2016
- Final paving, grind and cap 1 month, ending in December 2016
- Retrofit work 6 months, starting in January 2017 and ending in July 2017

The anticipated construction equipment mix is shown in Table 1. The equipment mix anticipated for construction activity is based on ETWD's input and typical construction practices. The equipment mix is meant to represent a reasonably conservative estimate of construction activity. For this analysis, it was generally assumed that heavy construction equipment would be operating at the site for approximately 8 hours per day, 5 days per week (22 days per month). Table 1 presents the number of equipment used by two contractors working on the eastern and western portions of the project area.

Table 1
Anticipated Construction Equipment

Construction Phase	Daily One- Way Worker Trips	Daily One-Way Vendor Trips	Total Haul Truck Trips	Equipment*	Quantity per Contractor	Total Equipment**
Site Preparation	4	0	36	Concrete/Industrial Saws (16 HP)	1	2
Trenching	16	2	432	Excavators	1	2
				Tractors/Loaders/ Backhoes	2	4
Paving	8	0	0	Pavers	1	2
(Continual)				Hand Compactor/Drum Roller (Plate Compactors)	1	2
Final Paving	8	0	0	Pavers	1	2
(Grind and Cap)				Paving Equipment	1	2
Retrofit Work	2	0	264	Air Compressor	1	1

^{*} Default equipment horsepower (HP) was assumed, except where noted otherwise in parenthesis.

^{**} Assuming simultaneous construction by two contractors (except for retrofit work).

2.3.3 Project Design Features

The proposed project includes, as part of the project design, certain features that would be implemented during project construction and/or operation to minimize potential impacts. Additionally, project would be required to adhere to applicable regulatory requirements. These design features and regulatory requirements are presented below.

Biological Resources

To avoid potential impacts to nesting birds in conformance with the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code (CFGC), a qualified biologist shall conduct a nesting bird survey within 1 week of ground-disturbing activities. The survey shall consist of full coverage of the proposed project footprint and an appropriate buffer, as determined by the biologist. If no occupied nests are found, no additional measures would be required. If nests are found being used for breeding or rearing young by a native bird, the nest locations shall be mapped by the biologist using Global Positioning System (GPS) equipment. The species of the nesting bird and, to the degree feasible, the nesting stage (e.g., incubation of eggs, feeding of young, near fledging) shall be documented. The biologist may establish an avoidance buffer around occupied nests if there is a significant potential for take of the species or potential for needless destruction of the nest. The buffer shall be determined by the biologist based on the species present, surrounding habitat, and existing environmental setting/level of disturbance. No construction or ground-disturbing activities shall be conducted within the buffer until the biologist has determined that the nest is no longer being used for breeding or rearing, and has informed the construction supervisor that activities may resume.

Geology and Soils

- All proposed facilities will be designed and built in accordance with seismic design provisions of the International Building Code or California Building Code (CBC). Additionally, all facets of excavation, construction, and facility design will meet the standards established during final engineering design. This will include measures such as over-excavation of unsuitable base soils and geologic units; proper composition, placement, and compaction of all construction fill; use of additional foundation design techniques as necessary; and use of appropriate construction materials and methods.
- ETWD will perform design-level geotechnical investigations to evaluate the potential for landslide, liquefaction, and seismic instability to affect the approved project and all associated facilities. Where these hazards are detected, appropriate engineering design and construction measures will be incorporated into project design. Appropriate measures could include ground improvement of liquefiable zones.

Hazards and Hazardous Materials

• Hazardous materials will not be disposed of or released onto the ground, the underlying groundwater, or any surface water. Totally enclosed containment will be provided for all trash. All construction waste, including trash and litter, garbage, other solid waste, petroleum products, and other potentially hazardous materials, will be removed to a waste facility permitted to treat, store, and/or dispose of such materials.

Hydrology and Water Quality

- Construction best management practices (BMPs) appropriate for the proposed project will be identified and implemented as required by the project's Non-Priority Project Water Quality Plan and Stormwater Pollution Prevention Plan (SWPPP). Potential construction BMPs could include the following:
 - Erosion control practices, including physical stabilization BMPs (hydraulic mulch, soil binders, straw mulch, geotextiles, plastic covers, mats), vegetation stabilization BMPs (hydroseeding), and wind erosion control (application of water).
 - Sediment control practices, including perimeter protection (silt fence, fiber rolls, sand bag barrier, straw bale barrier), storm drain inlet protection, resource protection (gravel bag berm, silt fence, fiber rolls), sediment capture (sediment trap, desilting basin), velocity reduction (silt fence, check dam, velocity dissipation devices, sediment basin), and off-site sediment tracking (stabilized construction entrance/exit, construction road stabilization, entrance/outlet tire wash).
 - Waste management and materials pollution control practices, including spill prevention and control, solid waste management, hazardous waste management, contaminated soil management, concrete waste management, sanitary/septic waste management, liquid waste management, vehicle and equipment cleaning, vehicle and equipment fueling, and vehicle and equipment maintenance.
 - o Materials management practices, including material delivery and storage, material use, and stockpile management.
 - Non-stormwater management practices, including water conservation, dewatering operations, paving and grinding operations, temporary stream crossing, clear water diversion, illicit connection reporting, potable water/irrigation, vehicle and equipment cleaning, vehicle and equipment fueling, vehicle and equipment maintenance, concrete curing, concrete finishing, materials and equipment use over water, structure demolition, temporary batch plants, and streambank stabilization.

Transportation and Traffic

• ETWD will develop a traffic control plan to ensure that adequate residential and emergency access is maintained during project construction.

2.4 Project Funding

The proposed project is being funded through the following sources:

- State Water Resources Control Board Water Recycling Funding Program
- ETWD Capital Construction Reserves
- Metropolitan Water District of Southern California Local Resources Program



3 FINDINGS

ETWD finds that the project would not have a significant adverse effect on the environment. Potentially significant effects have been identified and mitigation measures have been incorporated to ensure that these effects remain at less-than-significant levels. An MND is proposed to satisfy the requirements of CEQA and the CEQA Guidelines (California Public Resources Code, Section 21000 et seq.; 14 CCR 15000 et seq.).

3.1 No Impact or Less-than-Significant Impact

Based on the environmental discussion contained in Section 4 of this MND, ETWD determined that the proposed project would have no impact or a less-than-significant impact in the following environmental issue areas: aesthetics, agricultural and forestry resources, air quality, biological resources, cultural resources, geology and soils, greenhouse gas emissions, hydrology and water quality, land use and planning, mineral resources, noise, population and housing, public services, recreation, transportation and traffic, and utilities and services systems.

3.2 Less-than-Significant Impact with Mitigation Incorporated

Based on the environmental discussion contained in Section 4 of this MND, ETWD determined that the proposed project would have an impact of less-than-significant with mitigation incorporated in the following environmental issue areas: hazards and hazardous materials, and mandatory findings of significance.



4 INITIAL STUDY ENVIRONMENTAL CHECKLIST

1. Project title:

Phase II Recycled Water Distribution System Expansion Project

2. Lead agency name and address:

El Toro Water District 24251 Los Alisos Boulevard Lake Forest, California 92630

3. Contact person and phone number:

Mr. Dennis Cafferty, Assistant General Manager/District Engineer 949.837.7050 dcafferty@etwd.com

4. Project location:

Located within private streets in the City of Laguna Woods, Orange County, California

5. Project sponsor's name and address:

El Toro Water District 24251 Los Alisos Boulevard Lake Forest, California 92630

6. General Plan designation:

City of Laguna Woods General Plan Map: No designation, with the exception of areas within the Laguna Woods Village Community that are designated Adult Single and Multiple Family

7. Zoning:

No zoning designation assigned, with the exception of areas within the Laguna Woods Village Community that are zoned Residential Community

8. Description of project:

Refer to Section 2 of this MND for detailed information on the project description, environmental setting, and surrounding land uses.

9. Other public agencies whose approval is required:

The following agencies may be responsible agencies under CEQA. They may need to issue approvals for the project and, thus, rely on this MND:

- State Water Resources Control Board
- Regional Water Quality Control Board Region 8
- Regional Water Quality Control Board Region 9
- State Water Resources Control Board Division of Drinking Water
- Third Laguna Hills Mutual
- United Laguna Hills Mutual
- Golden Rain Foundation

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

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

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

DETER	MINATION: (To be completed by the lead agency)
On the b	pasis of this initial evaluation:
	I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
	I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
	I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
	I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
	I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.
Signat	01/13/16 Date

EVALUATION OF ENVIRONMENTAL IMPACTS:

- A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 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.
- 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 Environmental Impact Report (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 (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).
- Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration (14 CCR 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 that were incorporated or

refined from the earlier document and the extent to which they address site-specific conditions for the project.

- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, 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 significant.

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
I.	AESTHETICS – Would the project:				
a)	Have a substantial adverse effect on a scenic vista?				
b)	Substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				
c)	Substantially degrade the existing visual character or quality of the site and its surroundings?				
d)	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?				\boxtimes

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact		
II.							
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?				\boxtimes		
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?				\boxtimes		
c)	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code, Section 12220(g)), timberland (as defined by Public Resources Code, Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?				\boxtimes		
d)	Result in the loss of forest land or conversion of forest land to non-forest use?				\boxtimes		
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?				\boxtimes		
III.	AIR QUALITY – Where available, the significance of pollution control district may be relied upon to make				nent or air		
a)	Conflict with or obstruct implementation of the applicable air quality plan?			\boxtimes			
b)	Violate any air quality standard or contribute substantially to an existing or projected air quality violation?						
c)	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?						

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
d)	Expose sensitive receptors to substantial pollutant concentrations?			\boxtimes	
e)	Create objectionable odors affecting a substantial number of people?			\boxtimes	
IV.	BIOLOGICAL RESOURCES – Would the project:				
a)	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?			\boxtimes	
b)	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?			\boxtimes	
c)	Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?			\boxtimes	
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?			\boxtimes	
e)	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				
f)	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				\boxtimes
٧.	CULTURAL RESOURCES – Would the project:				
a)	Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5 of the CEQA Guidelines?			\boxtimes	
b)	Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5 of the CEQA Guidelines?				

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact	
c)	Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?					
d)	Disturb any human remains, including those interred outside of formal cemeteries?					
VI. GEOLOGY AND SOILS – Would the project:						
a)	Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:					
	i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.			\boxtimes		
	ii) Strong seismic ground shaking?			\boxtimes		
	iii) Seismic-related ground failure, including liquefaction?			\boxtimes		
	iv) Landslides?			\boxtimes		
b)	Result in substantial soil erosion or the loss of topsoil?			\boxtimes		
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 onor off-site landslide, lateral spreading, subsidence, liquefaction or collapse?			\boxtimes		
d)	Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?					
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?					
VII.	VII. GREENHOUSE GAS EMISSIONS – Would the project:					
a)	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			\boxtimes		
b)	Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?					



		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
VIII.	HAZARDS AND HAZARDOUS MATERIALS - Wo	uld the project:	-		
a)	Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?		\boxtimes		
b)	Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?				
c)	Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				
d)	Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				\boxtimes
e)	For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?				
f)	For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?				
g)	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?			\boxtimes	
h)	Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?			\boxtimes	
IX.	HYDROLOGY AND WATER QUALITY - Would the	e project:			
a)	Violate any water quality standards or waste discharge requirements?			\boxtimes	
b)	Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?			\boxtimes	



		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
c)	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on or off site?				
d)	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or off site?				\boxtimes
e)	Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?			\boxtimes	
f)	Otherwise substantially degrade water quality?				\boxtimes
g)	Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?				
h)	Place within a 100-year flood hazard area structures which would impede or redirect flood flows?				
i)	Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?				
j)	Inundation by seiche, tsunami, or mudflow?				\boxtimes
X.	LAND USE AND PLANNING – Would the project:				
a)	Physically divide an established community?				
b)	Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?				
c)	Conflict with any applicable habitat conservation plan or natural community conservation plan?				\boxtimes



		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
XI.	MINERAL RESOURCES – Would the project:				
a)	Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				\boxtimes
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?				
XII.	NOISE – Would the project result in:				
a)	Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?				
b)	Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?			\boxtimes	
c)	A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?				
d)	A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?			\boxtimes	
e)	For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?				\boxtimes
f)	For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?				
XIII.	POPULATION AND HOUSING – Would the project	t:			
a)	Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?			\boxtimes	
b)	Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?				\boxtimes
c)	Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?				\boxtimes



		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
XIV	PUBLIC SERVICES				
a)	Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
	Fire protection?				
	Police protection?				
	Schools?				
	Parks?				
	Other public facilities?				
	RECREATION		T		T
a)	Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?				
b)	Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?				
XVI	. TRANSPORTATION/TRAFFIC – Would the project	:			
a)	Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle baths, and mass transit?			\boxtimes	
b)	Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?			\boxtimes	
c)	Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?				



		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
d)	Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				
e)	Result in inadequate emergency access?			\boxtimes	
f)	Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?			\boxtimes	
XVI	I. UTILITIES AND SERVICE SYSTEMS – Would	d the project:			
a)	Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?			\boxtimes	
b)	Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?			\boxtimes	
c)	Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?				
d)	Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?			\boxtimes	
e)	Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?				
f)	Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?			\boxtimes	
g)	Comply with federal, state, and local statutes and regulations related to solid waste?			\boxtimes	
XVI	II. MANDATORY FINDINGS OF SIGNIFICANCE				
a)	Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?				



		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than- Significant Impact	No Impact
b)	Does the project have the potential to achieve short-term environmental goals to the disadvantage of long-term environmental goals?			\boxtimes	
c)	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)?			\boxtimes	
d)	Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?		\boxtimes		

4.1 Aesthetics

a) Would the project have a substantial adverse effect on a scenic vista?

Less-than-Significant Impact. The proposed pipelines would be placed below the surface within existing roads and would not change the visual environment once the pipelines are in place. Construction of the proposed pipelines would last approximately 15 months, and, upon completion, would not be visible from the surface. Therefore, impacts would be less than significant.

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

Less-than-Significant Impact. There are no dedicated state scenic highways in the vicinity of the proposed project. According to the California Department of Transportation (Caltrans), the nearest officially designated scenic highway is the stretch of State Route 91 from State Route 55 to the eastern city limits of Anaheim (Caltrans 2015), which is approximately 17 miles north of the project site at its closest point. However, the Orange County Scenic Highway Plan designates El Toro Road through Laguna Woods and Lake Forest, and Moulton Parkway as a Landscape Corridor, and Laguna Canyon Road through Laguna Beach to Laguna Woods as a Viewscape Corridor (County of Orange 2005). Construction of the proposed pipelines would last

approximately 15 months, and, upon completion, would not be visible from the surface. Therefore, impacts would be less than significant.

c) Would the project substantially degrade the existing visual character or quality of the site and its surroundings?

Less-than-Significant Impact. The proposed pipelines would be placed within existing paved roadways in the City of Laguna Woods and would not degrade the existing visual character of the site or its surroundings. The existing visual character could be temporarily degraded during project construction; however, this would only last approximately 15 months and would not result in a permanent impact. Therefore, the project would have a less-than-significant impact with regard to degrading the existing visual character or quality of the site and its surroundings.

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

No Impact. The proposed pipelines would be placed subsurface within existing paved roadways and would not result in a new source of lighting or glare. Therefore, there would be no impacts from light or glare.

4.2 Agriculture and Forestry Resources

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

No Impact. The proposed pipelines are located in "urban and built up land" and are not within an area designated as farmland per the Orange County Important Farmland 2012 Map (California Department of Conservation 2015). A parcel of Grazing Land, located in the City of Laguna Beach, is approximately 2 miles west of the proposed project site and appears to contain natural vegetation. A parcel of Unique Farmland, located 2 miles north of the proposed project site in the City of Irvine, appears to contain small rows of various crops and dirt lots. A parcel of land designated as Prime Farmland contains a rectangular dirt lot and is located immediately north of the Unique Farmland parcel mentioned above. A parcel of land considered to be Farmland of Statewide Importance is located approximately 3 miles northeast of the proposed project site in the City of Irvine and appears to contain rows of various crops (California Department of Conservation 2015). The

proposed project would not occur within these isolated Farmland locations, and would not result in the conversion of this land to non-agricultural use. No impact would occur.

b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The Williamson Act, also known as the California Land Conversion Act of 1969 (California Government Code Section 51200 et seq.), preserves agricultural and open space lands from the conversion to urban land uses by establishing a contract between local governments and private landowners to voluntarily restrict their land holdings to agricultural or open space use. The proposed project site is not located on any lands with Williamson Act contracts. The proposed project location is designated as a Residential Community District (RC) and as an Open Space Passive District (OS-P), according to the City of Laguna Woods Zoning Map (City of Laguna Woods 2015a), and is not zoned for agricultural use. According to the City of Laguna Woods Zoning Map, no areas within the city are zoned for agriculture, and, therefore, the proposed project would have no impact on agriculturally zoned land (City of Laguna Woods 2015a).

c) Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?

No Impact. The proposed project location is designated as a Residential Community District (RC) and as an Open Space Passive District (OS-P), according to the City of Laguna Woods Zoning Map (City of Laguna Woods 2015a), and is not zoned as forest land, timberland, or a Timberland Production Zone as defined by the above-referenced government regulations. The closest area that is designated as forest land is the Cleveland National Forest, which is 9 miles northeast of the proposed project site. Therefore, the proposed project would not conflict with existing zoning of such lands, and there would be no impact.

d) Would the project result in the loss of forest land or conversion of forest land to nonforest use?

No Impact. Refer to response 4.2.c. No forest land would be lost or converted to nonforest use as a result of the project, and there would be no impact.

e) Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. Refer to responses 4.2.a and 4.2.c. The proposed project would not be located within land considered to be farmland or forest land. Therefore, the project would not result in the conversion of additional farmland to non-agricultural use or the conversion of forestland to non-forest use, and there would be no impact.

CEQA-Plus Evaluation

Farmland Protection Policy Act:

Is any portion of the project site located on important farmland?

\boxtimes	No. The project will not impact farmland.
	Yes. Include information on the acreage that would be converted from important farmland to other uses. Indicate if any portion of the project site is located within
	Williamson Act control and the amount of affected acreage.

4.3 Air Quality

Background data and additional analysis to support the following impact assessment is provided in Appendix A, Air Quality and Greenhouse Gas Emissions, of this MND. Modeled project-generated air pollutant emissions estimates are also included in Appendix A.

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less-than-Significant Impact. The proposed project site is located within the South Coast Air Basin (Air Basin), which is a 6,745-square-mile area bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. It includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The proposed project site is within the jurisdictional boundaries of the South Coast Air Quality Management District (SCAQMD). In 2012, the SCAQMD adopted a final Air Quality Management Plan (AQMP), which includes control measures and strategies to be implemented to attain state and federal ambient air quality standards in the Air Basin. The SCAQMD implements these measures as regulations to control or reduce criteria pollutant emissions

from stationary sources and equipment. The AQMP (SCAQMD 2013) incorporates scientific data and updated emissions inventory methodologies and planning assumptions, including the Southern California Association of Governments 2012 Regional Transportation Plan/Sustainable Communities Strategy.

If a project proposes development that is greater than that anticipated in the applicable jurisdiction's General Plan and/or Southern California Association of Governments' growth projections, the project may be in conflict with the AQMP and may contribute to a potentially significant cumulative impact on air quality.

The proposed project would involve expansion of an existing recycled water distribution system. The proposed project would not include housing or commercial land uses that would directly induce population growth in the broader project area. Thus, at a regional level, the proposed project would be consistent with the underlying growth forecasts used in the AQMP. Therefore, impacts associated with the AQMP would be less than significant.

b) Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Less-than-Significant Impact. Project-generated construction emissions would be less than the SCAQMD significance thresholds. The proposed recycled water distribution pipelines would not generate operational air pollutant emissions, except for related to minor maintenance.

South Coast Air Basin Attainment Designation

An area is designated as "in attainment" when it is in compliance with the National Ambient Air Quality Standards (NAAQS) and/or California Ambient Air Quality Standards (CAAQS). These standards are set by the U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB), respectively, for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare. The criteria pollutants of primary concern that are considered in this air quality assessment are ozone (O₃), nitrogen dioxide (NO₂), carbon monoxide (CO), sulfur dioxide, particulate matter with a diameter less than or equal to 10 microns (PM₁₀), and particulate matter with a diameter less than 2.5 microns (PM_{2.5}). Although there are no ambient standards for volatile organic compounds (VOCs) or oxides of nitrogen (NO_x), they are important as precursors to O₃.

The entire Air Basin is designated as a "nonattainment" area for both federal and state O₃ standards. EPA has classified the Air Basin as an extreme nonattainment area and has mandated that it achieve attainment no later than June 15, 2024. The Air Basin has also been designated as nonattainment for the federal rolling 3-month average lead standard, and it is designated attainment for the state lead standard (CARB 2014; EPA 2015).

The Air Basin is designated as a nonattainment area for state PM_{10} standards. However, it is designated as an attainment area for federal standards. The Air Basin is designated as a nonattainment area by CARB and EPA for $PM_{2.5}$ (CARB 2014; EPA 2015).

Additionally, the Air Basin is designated as an attainment area for state and federal CO standards, and for the state and federal standards for NO₂. Similarly, the Air Basin is in attainment with both federal and state sulfur dioxide standards (CARB 2014; EPA 2015).

SCAQMD Thresholds

Construction of the proposed project would result in emissions of criteria air pollutants for which CARB and EPA have adopted ambient air quality standards (i.e., the CAAQS and NAAQS). Projects that emit these pollutants have the potential to cause or contribute to violations of these standards. The SCAQMD has adopted significance thresholds that, if exceeded, would indicate the potential to contribute to violations of the NAAQS or CAAQS. The relevant SCAQMD thresholds are shown in Table 2.

A project would result in a substantial contribution to an existing air quality violation of the federal or state standards for O_3 , which is a nonattainment pollutant, if the project's construction or operational emissions would exceed the SCAQMD VOC or NO_x thresholds shown in Table 2. These emissions-based thresholds for O_3 precursors are intended to serve as a surrogate for an "ozone significance threshold" (i.e., the potential for adverse O_3 impacts to occur), because O_3 itself is not emitted directly, and the effects of an individual project's emissions of O_3 precursors (VOC and NO_x) on O_3 levels in ambient air cannot be determined through air quality models or other quantitative methods.

Table 2 SCAQMD Air Quality Significance Thresholds

Pollutant	Construction	Operation
	Criteria Pollutants Mass Daily Thresholds	
VOCs	75 lbs/day	55 lbs/day
NO _x	100 lbs/day	55 lbs/day
CO	550 lbs/day	550 lbs/day
SO _x	150 lbs/day	150 lbs/day

Table 2
SCAQMD Air Quality Significance Thresholds

Pollutant	Construction	Operation		
	Criteria Pollutants Mass Daily Thresholds			
PM ₁₀	150 lbs/day	150 lbs/day		
PM _{2.5}	55 lbs/day	55 lbs/day		
Lead ^a	3 lbs/day	3 lbs/day		
	Toxic Air Contaminants and Odor Thresholds	3		
Toxic Air Contaminants ^b	Maximum incremental cancer risk ≥10 in 1	million		
	Chronic and acute hazard index ≥1.0 (proje	ect increment)		
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402			
Ambient Air Quality Standards for Criteria Pollutants ^c				
NO ₂ 1-hour average NO ₂ annual arithmetic mean	SCAQMD is in attainment; project is signific exceedance of the following attainment star			
	0.18 ppm (state) 0.030 ppm (state) and 0.0534 ppm (federal)		
CO 1-hour average	SCAQMD is in attainment; project is signific			
CO 8-hour average	exceedance of the following attainment star	ndards:		
	20 ppm (state) and 35 ppm (federal)			
DM O4 hours average	9.0 ppm (state/federal)			
PM ₁₀ 24-hour average	10.4 μg/m³ (construction) ^d			
PM ₁₀ annual average	2.5 µg/m³ (operation)			
	1.0 μg/m ³			
PM _{2.5} 24-hour average	10.4 μg/m³ (construction)d			
	2.5 μg/m ³ (operation)			

lbs/day = pounds per day; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; NO_2 = nitrogen dioxide; PM_{10} = parts per million; PM_{10} = micrograms per cubic meter

Source: SCAQMD 2015.

Notes: Greenhouse gas thresholds for industrial projects, as added in the March 2015 revision to the SCAQMD Air Quality Significance Thresholds, were not included in Table 2, as they will be addressed in the greenhouse gas emissions analysis and not in the air quality analysis

- The phase-out of leaded gasoline started in 1976. Since gasoline no longer contains lead, the proposed project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.
- b Toxic air contaminants include carcinogens and non-carcinogens.
- Ambient air quality standards for criteria pollutants based on SCAQMD Rule 1303, Table A-2, unless otherwise stated.
- d Ambient air quality threshold based on SCAQMD Rule 403.

Construction Emissions. Construction of the proposed distribution system pipelines would result in a temporary addition of pollutants to the local airshed caused by soil disturbance; dust emissions; and combustion pollutants from on-site construction equipment, personal vehicles, vendor trucks, and off-site trucks hauling construction materials. NO_x and CO emissions would primarily result from the use of construction equipment and motor vehicles. Fugitive dust emissions would primarily result from trenching activities. 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. Therefore, such emissions levels can only be approximately estimated, with uncertainty about precise ambient air quality impacts.

Emissions from the construction phase of the proposed project were estimated through use of SCAQMD's California Emission Estimator Model (CalEEMod) Version 2013.2.2. Construction of the distribution system would be completed by one or two contractors. For the purposes of emissions modeling, it was assumed that two contractors would perform construction activities simultaneously. Construction activity was assumed to occur over 15 months, starting in March 2016 and ending in July 2017. Trenching for pipeline installation would occur over the first 9 months; each contractor is assumed to operate one excavator and two tractors/loaders/backhoes. Site preparation would include concrete saw-cutting for the first 2 days of each month over the 9-month trenching phase. Paving would occur for approximately 5 days in each month from March 2016 through December 2016, and each contractor is assumed to operate one paver and one compacter. Final paying would occur during the last month of construction in December 2016. During this phase, a portion of the disturbed roads that were previously paved during the pipe installation phase would be fine grinded and capped. It is assumed that re-paying would require one paver and one item of paving equipment for each contractor. Retrofit work would occur from January 2017 to July 2017 and would involve the connection of water meters to the existing irrigation system. Equipment would include an air compressor and hand tools.

The construction equipment mix and estimated hours of equipment operation per day used for the criteria air pollutant emissions modeling of the proposed project are shown in Table 1. For this analysis, it was assumed that heavy construction equipment would operate 5 days a week (22 days per month) during project construction. Table 1 also presents the estimated number of workers anticipated for each construction sequence. To estimate motor vehicle emissions generated by worker vehicles (i.e., light-duty trucks and automobiles), it was assumed that each worker would generate two one-way trips per day. In addition to construction equipment operation and worker trips, emissions from hauling trucks and vendor trucks were estimated. Haul truck trips were assumed to be required during the site preparation phase, trenching phase, and retrofit work phase. Haul trips made during the site preparation phase would include four daily trips made by two dump trucks, which would be used to remove pavement from the site. Haul trips made during the trenching phase would include two concrete trucks traveling to and from the project site for a total of six trips per week. Haul trips made during the retrofit work phase would include one haul truck traveling to and from the project site for a total of two trips per day. Vendor trips were assumed to be required during the trenching phase to

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include two daily trips made by a street sweeper. Trip distances for worker, vendor, and haul trips were estimated using the CalEEMod default.

To estimate a maximum daily or worst-case scenario, it was assumed that site preparation, pipe installation, continual paving, and the final paving phase would occur simultaneously. Details of the construction emissions assumptions and calculations are included in Appendix A.

Table 3 shows the estimated maximum unmitigated daily construction emissions associated with construction of the proposed project. The project-related construction emissions presented in Table 3 are compared to pollutant thresholds established by the SCAQMD, as outlined in the SCAQMD CEQA Air Quality Handbook (SCAQMD 1993). Air quality impacts associated with construction of the proposed project would be considered significant if any of the pollutant thresholds shown in Table 3 were exceeded.

Table 3
Estimated Daily Maximum Construction Emissions (pounds per day unmitigated)

	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
2016	3.85	38.96	29.29	0.05	2.60	2.16
2017	0.49	3.45	3.03	0.01	0.30	0.25
Threshold	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

Notes: See Appendix A for complete results.

The PM₁₀ and PM_{2.5} estimates reflect control of fugitive dust required by Rule 403.

VOC = volatile organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter

As shown in Table 3, daily construction emissions would not exceed the thresholds for VOC, NO_x, CO, sulfur oxides, PM₁₀, or PM_{2.5}. As such, the proposed project would result in a less-than-significant impact during construction.

Fugitive dust suppression techniques such as frequent light sprays of water and covering spoil piles would be performed by the construction contractor during construction activities. In addition, as a condition of project approval, the project would adhere to the following SCAQMD rules during construction-related activities: 401 (Visible Emissions), 403 (Fugitive Dust Control), and 1186/1186.1 (Street Sweepers). These construction measures would reduce potential project-generated fugitive dust emissions.

Operation Emissions. Once the recycled water distribution system pipelines are installed, no routine daily operational activities that would generate air polluting emissions would occur. In the event that maintenance or repair of the pipelines would be required, sawcutting, trenching, and paving of a localized portion of the distribution system may occur, as analyzed in the proposed project's construction emissions assessment (Appendix A). However, maintenance or repair activity would likely result in less emissions compared to the analyzed construction scenario that assumes simultaneous construction of three larger portions of the project area, in addition to emissions associated with vendor and haul-truck trips. These potential repair activities would be temporary and would not be a source of long-term operational emissions. As the project would not result in a new land use that would involve operational activities, air quality impacts associated with operational air pollutant emissions would be less than significant.

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

Less-than-Significant Impact. The Air Basin is a nonattainment area for O_3 and $PM_{2.5}$ under the NAAQS, and nonattainment for O_3 , PM_{10} , and $PM_{2.5}$ under the CAAQS. In analyzing cumulative impacts from the proposed project, the assessment must specifically evaluate the project's contribution to the cumulative increase in pollutants for which the Air Basin is designated as nonattainment for the federal or state standards. Implementation of the proposed project would generate short-term air pollutant emissions during construction and operation.

Cumulative localized impacts could occur if construction of a project component were to occur concurrently with another project. Construction schedules for potential future projects near the project site are currently unknown, and, thus, potential construction impacts associated with two simultaneous projects are speculative. The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145).

Air pollutant emissions associated with construction activity would be reduced through implementation of control measures required by the SCAQMD. Cumulative PM₁₀ and PM_{2.5} construction emissions would be reduced because all future projects would be subject to SCAQMD Rule 403 (Fugitive Dust), which sets forth general and specific requirements for all construction sites within the Air Basin. The maximum daily PM₁₀ and PM_{2.5} emissions would not exceed the significance thresholds during construction of the proposed project,

although fugitive dust and vehicle and equipment exhaust generated during project construction would contribute to the Air Basin's nonattainment designation for PM_{10} and $PM_{2.5}$. However, this contribution would not be cumulatively considerable.

As indicated in Tables 2 and 3, construction emissions from the proposed project would not exceed SCAQMD significance thresholds. The proposed project is not anticipated to generate substantial operational emissions. Furthermore, the project would not conflict with the SCAQMD AQMP, which addresses cumulative emissions in the Air Basin (SCAQMD 2013). Accordingly, the proposed project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants. Thus, this impact would be less than significant.

d) Would the project expose sensitive receptors to substantial pollutant concentrations?

Less-than-Significant Impact. Sensitive receptors are those more susceptible to the effects of air pollution than the population at large. People most likely to be affected by air pollution include children, older adults, and people with cardiovascular and chronic respiratory diseases. According to the SCAQMD, sensitive receptors include residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993).

Localized Significance Thresholds

The SCAQMD recommends the evaluation of localized NO₂, CO, PM₁₀, and PM_{2.5} impacts as a result of construction activities to sensitive receptors in the immediate vicinity of a project site. For the proposed project, in some locations, residences are located adjacent to the streets where trenching for pipeline installation would occur. These residents would be considered sensitive receptors that could be potentially affected by construction-generated air pollutant emissions.

The project site is located in Source Receptor Area 20 (Central Orange County Coastal). For purposes of the Localized Significance Threshold (LST) analysis, it was assumed that the project site would be 1 acre and the sensitive receptors would be located within a 25-meter (82-foot) distance from construction activity (these represent the smallest construction site area and distance to receptors evaluated in the SCAQMD LST Methodology) (SCAQMD 2008); using the smaller construction area and distance to receptor thresholds result in a more conservative analysis because these LSTs are lowest. The SCAQMD LST Methodology specifies the maximum allowable daily emissions that would satisfy the localized significance criteria. The

maximum daily on-site construction emissions are compared to the allowable emissions rates for Source Receptor Area 20 shown in Table 4. Additional details of the LST analysis are provided in Appendix A of this document.

Table 4
Localized Significance Thresholds Analysis for Construction Emissions

Pollutant	Maximum Construction Emissions (pounds/day)	LST Criteria (pounds/day)	Exceeds LST?
NO ₂	38	92	No
CO	27	647	No
PM ₁₀	2	4	No
PM _{2.5}	2	3	No

Source: SCAQMD 2008.

Based on estimated maximum daily construction emissions in 2016.

Construction emissions estimates are rounded to the nearest pound.

LST = Localized Significance Threshold; NO_2 = nitrogen dioxide; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter

As shown, construction activities would not generate substantial emissions of toxic air contaminants, specifically diesel exhaust particulate matter, and impacts to sensitive receptors in the vicinity of project construction would be less than significant. Operation of equipment during all phases of construction would occur for a very short duration (i.e., 1 to 2 days) in any one area. In addition, diesel equipment would be subject to the Airborne Toxic Control Measures for in-use mobile construction equipment promulgated by CARB, which would minimize diesel particulate matter emissions.

Operation of the proposed recycled water pipelines would not result in direct emissions (e.g., those from a point source such as boilers or engines). Thus, it would not result in exposure of emissions to sensitive receptors in the vicinity of the project.

e) Would the project create objectionable odors affecting a substantial number of people?

Less-than-Significant Impact. Odor is a form of air pollution that is possibly most obvious to the general public. Odors can present significant problems for the source and its surrounding community. Although offensive odors seldom cause physical harm, they can be annoying and cause concern. Construction and operation of the proposed recycled water distribution system would not create objectionable odors affecting a substantial number of people.

Construction Odor Impacts. Potential sources that may emit odors during construction activities include diesel equipment, gasoline fumes, and asphalt paving material. Odors

from these sources would be localized and generally confined to the project site. The proposed pipelines would be installed in a sequential fashion; therefore, construction activity would not occur in one location for an extended period of time. The proposed project would use typical construction techniques in compliance with SCAQMD rules. Additionally, any odors would be temporary. As such, proposed project construction would not cause an odor nuisance, and odor impacts would be less than significant.

Operational Odor Impacts. Land uses and industrial operations that are associated with odor complaints include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The proposed project would entail construction of pipelines for recycled water and would not result in creation of a land use that is commonly associated with odors. The recycled water pipelines would be installed underground and would not produce a source of odor. Therefore, project operations would result in a less-than-significant odor impact.

CEQA-Plus Evaluation

Clean Air Act:

Is the project subject to a State Implementation Plan conformity determination?

No. The project is in an attainment or unclassified area.

\boxtimes	Yes. The project is in a nonattainment area or attainment area subject to maintenance plans
	Include information to indicate the nonattainment designation (e.g., moderate, serious, or
	severe), if applicable. If estimated emissions (below) are above the federal de minimis levels
	but the project is sized to meet only the needs of current population projections that are used
	in the approved State Implementation Plan for air quality, then quantitatively indicate how
	the proposed capacity increase was calculated using population projections.

Air Basin Name: South Coast Air Basin

Provide the estimated project construction and operational air emissions (in tons per year) in the chart below (Table 5).

Refer to Appendix A for the complete air quality analysis.

Table 5
Estimated Project Construction and Operational Emissions

	Attainment Status		SCAQMD Maximum Thresholds of Construction Significance Emissions		
Pollutant	National	State	Construction Thresholds (Pounds/Day)	Pounds per Daya	Tons per Year
Carbon Monoxide (CO)	Attainment	Attainment	550	29	2
Ozone (O ₃₎ b	Nonattainment	Nonattainment	N/A	N/A	N/A
Oxides of Nitrogen (NO _x)	N/A	N/A	100	39	3
Nitrogen Dioxide (NO ₂)	Attainment	Attainment	N/A	N/A	N/A
Particulate Matter (PM ₁₀)	Attainment	Nonattainment	150	3	0.2
Particulate Matter (PM _{2.5})	Nonattainment	Nonattainment	55	2	0.2
Reactive Organic Gases (ROG) c	N/A	N/A	N/A	N/A	N/A
Sulfur Dioxide (SO ₂)/Sulfur Oxides (SO _x)	Unclassified	Attainment	150	0.05	0.003
Volatile Organic Compounds (VOC) ^c	N/A	N/A	75	4	0.3

Notes:

N/A = not applicable

4.4 Biological Resources

The following analysis relies on the Biological Resources Assessment for the El Toro Water District Phase II Recycled Water Distribution System Expansion Project (Dudek 2015a) (see Appendix B).

^a Maximum unmitigated daily winter or summer construction emissions.

^b O₃ is a secondary pollutant formed in the atmosphere by a photochemical process involving the sun's energy and O₃ precursors, such as hydrocarbons and NO_x. These precursors are mainly NO_x and VOCs (also referred to as ROCs or ROGs). Accordingly, the South Coast Air Quality Management District has established thresholds for NO_x and VOC, but there are no thresholds for O₃.

c ROG and VOC are considered equal for the purposes of air quality emissions analysis. The South Coast Air Quality Management District established thresholds for VOCs. Although there are no ambient air quality standards or attainment classifications for VOCs or NOx, they are important as precursors to O₃.

a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Less-than-Significant Impact. The study area includes the construction footprint of the proposed pipelines and a 500-foot buffer around the project footprint.

Plant Species

No special-status plant species or vegetation communities were identified within the study area during the reconnaissance survey conducted on March 18, 2015. A total of 17 vascular plant species, including 11 native species (65%) and six non-native species (35%), were recorded during the survey (Appendix B).

The proposed impact footprint is entirely restricted to developed roadways within a residential community. Therefore, it is unexpected that any special-status plant species would occur within the impact footprint. There is potential for special-status plants to occur within the coastal sage scrub that occurs within the 500-foot buffer in Laguna Coast Wilderness Park, but no impacts would occur in this area. No U.S. Fish and Wildlife Service (USFWS) designated critical habitat for listed plant species occurs within the study area (USFWS 2015).

No special-status vegetation communities occur within the impact footprint. The pipeline footprint is within existing roadways. It is assumed that all construction activities would be limited to the road and that no native vegetation would be removed. Therefore, no direct impacts to special-status vegetation communities would occur. Indirect impacts would be limited to short-term construction impacts related to noise and dust. With respect to these potential indirect impacts, however, all project grading would be subject to the typical restrictions (e.g., BMPs) and requirements that address erosion and runoff, including those of the federal Clean Water Act and National Pollution Discharge Elimination System (NPDES), and preparation of a SWPPP. With implementation of these BMPs and permit conditions, potential indirect impacts to sensitive habitat would be less than significant.

No special-status plant species have the potential to occur within the impact footprint due to the lack of suitable habitat; therefore, no direct impacts to special-status plant species are anticipated. There is suitable habitat within Laguna Coast Wilderness Park, but it is assumed that construction activities would be limited to the road and no special-status plants would be

impacted. Because no special-status species have the potential to occur in the impact footprint, indirect impacts to special-status plant species are less than significant.

Wildlife Species

Non special-status wildlife species were identified within the project footprint during the reconnaissance survey (see Appendix B). However, one special-status wildlife species, coastal California gnatcatcher (*Polioptila californica californica*), was observed within the 500-foot buffer around the project area. One male was observed singing within coastal sage scrub in Laguna Coast Wilderness Park. There is moderate potential for Monarch butterflies (*Danaus plexippus*) to occur on site due to the number of eucalyptus (*Eucalyptus*) trees, which are used as cluster sites for overwintering Monarch butterflies. Although Monarch butterflies do not have any regulatory designation and are not special-status species, a discussion of their potential to occur and potential impacts is included in this analysis, as they tend to be of interest to local residents.

No USFWS designated critical habitat for listed wildlife species occurs within the study area (USFWS 2015). Twenty wildlife species were observed during the survey, including common bird species such as Bewick's wren (*Thryomanes bewickii*), Anna's hummingbird (*Calypte anna*), and house finch (*Carpodacus mexicanus*). A full list of wildlife species observed during the survey is provided in Appendix B.

Special-status wildlife species are not expected to occur based on the lack of suitable habitat within the impact footprint; therefore, no direct impacts to special-status wildlife are expected. The only species with moderate potential to occur is Monarch butterfly, due to the surrounding eucalyptus trees. However, because the trees will be unaffected by the project, there would be no direct impacts to Monarch butterfly. There is suitable habitat within Laguna Coast Wilderness Park, however, it is assumed that construction activities would be limited to the road and that no special-status wildlife species would be impacted.

Coastal sage scrub located within the 500-foot buffer supports occupied habitat for coastal California gnatcatcher. Indirect impacts resulting from short-term construction-related noise could result in decreased reproductive success or abandonment of an area as nesting habitat. However, due to the urban setting and existing baseline level of disturbance surrounding the proposed work areas, and with implementation of the required project design features to comply with the MBTA and CFGC (nesting bird avoidance/surveys), indirect impacts to coastal California gnatcatcher are not expected. No other special-status wildlife species have the potential to occur within the study area; therefore, indirect impacts would be less than significant.

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

Less-than-Significant Impact. The proposed impact footprint is located entirely on existing roadways and developed areas; no natural vegetation communities are present within the impact footprint. Although the pipelines would be constructed within existing roadways, there is vegetation typical of urban residential areas, including ornamental trees and shrubs such as pepper trees, eucalyptus, pines, and sycamores (Platanus occidentalis). These residential trees have potential for nesting birds; however, they are already exposed to high levels of traffic flow.

No sensitive habitats occur within the proposed impact footprint; however, the study area (500-foot buffer around impact footprint) supports coastal sage scrub within Laguna Coast Wilderness Park. Although not considered a special-status vegetation community, coastal sage scrub provides suitable habitat for the federally threatened coastal California gnatcatcher and other special-status species, as well as nesting birds. No direct impacts would occur in this area.

Indirect impacts would be limited to short-term construction impacts related to noise and dust. With respect to these potential indirect impacts, however, all project grading would be subject to the typical restrictions (e.g., BMPs) and requirements that address erosion and runoff, including those of the federal Clean Water Act and NPDES, and preparation of a SWPPP. With implementation of these BMPs and permit conditions, as specified in Section 2.3.3, potential indirect impacts to sensitive habitat would be less than significant.

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

Less-than-Significant Impact. The project impact footprint contains no jurisdictional waters, including wetlands, regulated by the U.S. Army Corps of Engineers (ACOE), Regional Water Quality Control Board (RWQCB), or California Department of Fish and Wildlife. There is potential for jurisdictional areas to occur outside the impact footprint but within the 500-foot buffer. However, jurisdictional areas outside the impact footprint were not evaluated because there would be no direct impacts to these areas.

It is assumed that all construction activities would be limited to roadways; therefore, no direct impacts to jurisdictional waters would occur. Indirect impacts would be limited to short-term construction impacts related to construction runoff and dust. All project grading would be subject to the typical restrictions (e.g., BMPs) and requirements that address erosion and runoff, including those of the federal Clean Water Act and NPDES, and preparation of a SWPPP. With implementation of these BMPs and permit conditions, as specified in Section 2.3.3, potential indirect impacts to jurisdictional waters are less than significant.

d) Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less-than-Significant Impact. Wildlife corridors are linear features that connect large patches of natural open space and provide avenues for the migration of animals. Habitat linkages are small patches that join larger blocks of habitat and help reduce the adverse effects of habitat fragmentation; they may be continuous habitat or discrete habitat islands that function as stepping stones for wildlife dispersal. Due to the developed nature of the impact footprint, there are no wildlife corridors within the impact footprint. Within 500 feet of the project impact footprint is Laguna Coast Wilderness Park, which contains a large block of open space intended for maintaining wildlife movement throughout the region.

The study area contains many trees and shrubs that could potentially be used by migratory birds for breeding. Nesting habitat occurs within the 500-foot buffer, which overlaps Laguna Coast Wilderness Park, and within the residential areas surrounding the impact footprint.

Direct impacts to migratory nesting birds must be avoided to comply with the MBTA. The project would be limited to existing developed roadways, and no removal of trees or other nesting habitat would occur; therefore, direct impacts to nesting birds are not expected.

Indirect impacts to nesting birds associated with short-term construction-related noise could result in decreased reproductive success or abandonment of an area as nesting habitat during the breeding season (i.e., February 15 through September 1). Laguna Coast Wilderness Park and surrounding residences have trees and other shrubs that could provide potential nesting and foraging habitat for a variety of songbirds and raptors. Although no active or inactive nests were identified during the survey in March 2015, the survey was conducted early in the breeding season, and there is potential for birds to nest in these areas. However, implementation of the required project design features to

comply with MBTA and CFGC (nesting bird avoidance/surveys) would ensure that indirect impacts to nesting birds remain below a level of significance.

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

No Impact. Although there are a number of trees within the study area, the proposed project would not involve removal of any trees, nor would any trees be impacted by the project. Therefore, no impact would occur.

f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The study area is located within the boundaries of the County of Orange Central and Coastal Subregion Natural Communities Conservation Plan (NCCP)/Habitat Conservation Plan (HCP). ETWD is not a participating landowner under this plan, and the project is not subject to the provisions of the NCCP/HCP. The study area is within the Central and Coastal NCCP/HCP area, but not within a designated conservation area (i.e., Reserve). Additionally, the study area does not support suitable habitat for listed species, and, therefore, does not have any permit obligations under the California or federal Endangered Species Act. The project is not in conflict with the County of Orange Central and Coastal NCCP/HCP, and no impact would occur.

CEQA-Plus Evaluation

Federal Endangered Species Act, Section 7:

Does the project involve any direct effects from construction activities, or indirect effects such as growth inducement that may affect federally listed threatened or endangered species that are known, or have a potential, to occur on site, in the surrounding area, or in the service area?

No. Discuss why the project will not impact any federally listed special-status species:

No special-status wildlife species were identified within the project footprint during the reconnaissance survey conducted on March 18, 2015. However, one special-status wildlife species, the federally threatened coastal California gnatcatcher (*Polioptila californica californica*), was observed within the 500-foot buffer around the project area (Figure 3). One male coastal California gnatcatcher was observed and was heard singing

within the coastal sage scrub in Laguna Coast Wilderness Park. No USFWS designated critical habitat for listed wildlife species occurs within the study area (USFWS 2015). Twenty wildlife species were observed during the survey, including common bird species such as Bewick's wren (*Thryomanes bewickii*), Anna's hummingbird (*Calypte anna*), and house finch (*Carpodacus mexicanus*). A full list of wildlife species observed during the survey is provided in Appendix B. Special-status wildlife species are not expected to occur based on the lack of suitable habitat within the impact footprint; therefore, no direct impacts to special-status wildlife are expected. There is suitable habitat within Laguna Coast Wilderness Park, but construction activities would be limited to roadways and no special-status wildlife species would be impacted. Coastal sage scrub located within the 500-foot buffer supports occupied habitat for coastal California gnatcatcher. However, since the proposed work would occur within an urban setting and within an existing, baseline level of disturbance, indirect impacts to coastal California gnatcatcher are not expected. No other special-status wildlife species have the potential to occur within the study area; therefore, no indirect impacts would occur.

No special-status plant species were identified within the study area during the reconnaissance survey conducted on March 18, 2015. A total of 17 vascular plant species, including 11 native species (65%) and six non-native species (35%), were recorded during the survey (Appendix B). Because the proposed impact footprint is entirely restricted to developed roadways within a residential community, it is unlikely that any special-status plant species would occur within the impact footprint. There is potential for special-status plants to occur in the coastal sage scrub within the 500-foot buffer in Laguna Coast Wilderness Park. However, no project impacts would occur in this area. No USFWS designated critical habitat for listed plant species occurs within the study area (USFWS 2015). No special-status plant species have the potential to occur within the impact footprint due to the lack of suitable habitat; therefore, no direct impacts to specialstatus plant species are anticipated. There is suitable habitat within Laguna Coast Wilderness Park, but construction activities would be limited to the road, and no specialstatus plants would be impacted. Because no special-status plant species have the potential to occur in the impact footprint, no indirect impacts to special-status plant species are anticipated. The proposed impact footprint is located entirely within existing roadways and developed areas; no natural vegetation communities are present within the impact footprint. Although the pipelines would be located within existing roadways, there is vegetation typical of urban residential areas, including ornamental trees and shrubs such as pepper trees, eucalyptus, pines, and sycamores. These residential trees have potential for nesting birds, but they are already exposed to high levels of traffic flow that limits bird activity.

No sensitive habitats occur within the proposed impact footprint; however, the study area (500-foot buffer around impact footprint) supports coastal sage scrub within Laguna Coast Wilderness Park. Although not considered a special-status vegetation community, coastal sage scrub provides habitat for several special-status plant and wildlife species, as well as nesting and breeding habitat for birds. No direct impacts would occur in this area. No special-status vegetation communities occur within the impact footprint. The pipeline footprint is within existing roadways adjacent to Laguna Coast Wilderness Park. It is assumed that all construction activities would be limited to the road and that no native vegetation would be removed. Therefore, no direct impacts to special-status vegetation communities would occur. Indirect impacts would be limited to short-term construction impacts related to noise and dust. However, all project grading would be subject to the typical restrictions (e.g., BMPs) and requirements that address erosion and runoff, including those of the federal Clean Water Act and NPDES, and preparation of a SWPPP. With implementation of these BMPs and permit conditions, potential indirect impacts to sensitive habitat would be less than significant.

Yes. Include information on federally listed species that could potentially be affected by this project and any proposed avoidance and compensation measures so that the SWRCB can initiate informal/formal consultation with the applicable federally designated agency. Document any previous ESA consultations that may have occurred with the project.

Refer to Appendix B for the letter report on biological resources, including project-level biological surveys, evaluations analyzing the project's direct and indirect effects on special-status species, and a current species list for the project area.

Migratory Bird Treaty Act:

No

Will the project affect protected migratory birds that are known, or have a potential, to occur on-site, in the surrounding area, or in the service area?

Ш	110.
\boxtimes	Yes. Discuss the impacts (such as noise and vibration impacts, modification of habitat) to
	migratory birds that may be directly or indirectly affected by the project and mitigation measures to reduce or eliminate these impacts. Include a list of all migratory birds that
	could occur where the project is located:

The study area contains many trees and shrubs that could potentially be used by migratory birds for breeding. Nesting habitat occurs within the 500-foot buffer, which

 \Box

overlaps Laguna Coast Wilderness Park, and within the residential areas surrounding the impact footprint.

Direct impacts to migratory nesting birds must be avoided to comply with the MBTA. The project would be limited to existing developed roadways, and no removal of trees or other nesting habitat would occur; therefore, direct impacts to nesting birds would not occur. Nesting birds can be significantly affected by indirect impacts from short-term construction-related noise, resulting in decreased reproductive success or abandonment of an area as nesting habitat. Laguna Coast Wilderness Park and surrounding residences have trees and other shrubs that could provide potential nesting and foraging habitat for a variety of songbirds and raptors in the area. Although no active or inactive nests were identified during the survey in March 2015, the survey was conducted early in the breeding season, and there is potential for birds to nest in these areas. Indirect impacts from construction-related noise may occur to nesting birds if construction occurs during the breeding season (i.e., February 15 through September 1). However, due to the urban setting and existing baseline level of disturbance surrounding the proposed work areas, and with implementation of the required project design features to comply with the MBTA and CFGC (nesting bird avoidance/surveys), indirect impacts to coastal California gnatcatcher are not expected. Therefore, indirect impacts would be less than significant.

Protection of Wetlands – Executive Order Number 11990:

Does any portion of the project area contain areas that should be evaluated for wetland delineation or require a permit from the ACOE?

No. Provide the basis for such a determination:

The project impact footprint contains no jurisdictional waters, including wetlands, regulated by ACOE, RWQCB, or the California Department of Fish and Wildlife. There is potential for jurisdictional areas to occur outside the impact footprint, but within the 500-foot buffer. However, jurisdictional areas outside the impact footprint were not evaluated because there would be no direct impacts to these areas. All construction activities would be limited to roadways; therefore, no direct impacts to jurisdictional waters would occur. Indirect impacts would be limited to short-term construction impacts related to construction runoff and dust. All project grading would be subject to the typical restrictions (e.g., BMPs) and requirements that address erosion and runoff, including those of the federal Clean Water Act and NPDES, and preparation of a SWPPP. With

implementation of these BMPs and permit conditions, potential indirect impacts to jurisdictional waters are not anticipated.

Yes. Describe the impacts to wetlands, potential wetland areas, and other surface waters, and the avoidance, minimization, and mitigation measures to reduce such impacts. Provide the status of the permit and information on permit requirements.

4.5 Cultural Resources

The following analysis relies on the Cultural Resources Inventory for the El Toro Water District Phase II Recycled Water Distribution System Expansion Project (Dudek 2015b) (see Appendix C).

a) Would the project cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5 of the CEQA Guidelines?

Less-than-Significant Impact. Archaeological literature and records searches were conducted at the South Central Coastal Information Center (SCCIC) in January 2012 for the Tertiary Treatment Plant and Recycled Water Distribution System Expansion Project (Phase I). A subsequent records search of the current project's area of potential effects (APE), as shown in Figure 4, was completed by SCCIC staff on April 1, 2015. The search included collection of mapped prehistoric, historical, and built-environment resources; Department of Parks and Recreation Site Records; technical reports; archival resources; and ethnographic references. Additional consulted sources included the National Register of Historic Places, California Inventory of Historical Resources/California Register of Historical Resources, Office of Historical Interest, California Historical Landmarks, and Caltrans Bridge Survey information.

SCCIC records indicate that 88 previous cultural resources technical investigations have been conducted within 1 mile of the proposed alignment. Of these, seven studies are known to have directly included portions of the current APE (Appendix C). No cultural resources have been previously identified within the APE, but 39 sites, built-environment resources, and historic addresses have been recorded within the surrounding 1-mile-radius records search area. Two prehistoric sites have been recorded within 750 feet of the project alignment. CA-ORA-370, recorded and last updated in 1970, consists of a habitation site with at least one observed burial. CA-ORA-267, recorded and last updated in 1966, has been reported to include a shelter and scatter of marine shell. As no updates to these site records have been provided in the last 45 to 55 years (prior to GPS technology), the mapped boundaries of these sites are likely inaccurate. Additionally, a

review of historical aerials (available since 1938) and topographic maps (available since 1902) was conducted. These maps and aerial photographs did not indicate the presence of historical built-environment resources within the APE.

A search of the Native American Heritage Commission's (NAHC) Sacred Lands File was requested for the Tertiary Treatment Plant and Recycled Water Distribution System Expansion Project on January 2, 2012. For the current project, a NAHC search of its Sacred Lands File was requested on April 3, 2015, for the present proposed project area. This search did not indicate the presence of Native American traditional cultural places within this area or the surrounding 1-mile buffer. The NAHC additionally provided a list of Native American tribes and individuals/organizations that might have knowledge of cultural resources in this area.

Following the NAHC response, letters were sent to the listed tribal representatives with the intent of requesting information, opinions or concerns relating to the proposed project impacts. These letters contained a brief description of the planned project, reference maps, and a summary of the NAHC Sacred Lands File search results. No responses to these outreach attempts have been received to date.

An intensive pedestrian survey was conducted on May 12, 2015, and all areas of the planned alignment for Phase II were inspected. No archaeological or built-environment artifacts or features were identified. The planned alignment for the proposed project runs within existing paved roadways, which allowed for no direct observation of the native ground surfaces. All areas of the APE appeared to have been previously disturbed through grading for roads and installation of underground utilities (including sewer, water, electrical, and cable). It is unlikely that intact subsurface cultural deposits or features are present within the proposed project area.

The SCCIC records search, NAHC Sacred Lands File search, and cultural pedestrian survey did not indicate that cultural resources are within the APE. All project-related earth-moving activities would be within areas previously disturbed by road construction and installation of utilities. Therefore, the proposed project would have a less-than-significant impact on historical resources.

b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5 of the CEQA Guidelines?

Less-than-Significant Impact. As discussed in response 4.5.a, SCCIC records indicate that 88 previous cultural resources technical investigations have been conducted within 1

mile of the proposed alignment. Of these, seven studies are known to have directly included portions of the current APE (Appendix C).

The most pertinent of these studies were prepared for the Tertiary Treatment Plant and Recycled Water Distribution System Expansion Project, of which the current project is an extension and reflects the same general conditions. As part of the Phase I Inventory, two archaeological sites, previously recorded in the mid-1970s, were identified through an SCCIC records search of the area. Based on intensive pedestrian survey efforts, archaeologists observed that the sites had been previously destroyed through extensive disturbance associated with residential development (i.e., grading for roads and house pads, installation of underground utilities (sewer, water, electrical, cable)). These findings were provided in the form of a technical memo to ETWD and NAHC-listed tribal representatives. In response to a related request from Alfred Cruz, Cultural Resources Coordinator for the Juaneno Band of Mission Indians, ETWD determined that mitigation should include archaeological and Native American monitoring of project-related ground disturbance. Work for this component of the project was conducted the following year. The summary of cultural monitoring efforts for this initial phase of the Tertiary Treatment Plant and Recycled Water Distribution System Expansion Project reported that no cultural resources were identified during monitoring of approximately 18 miles of trenching conducted for this project between August 2, 2013 and June 20, 2014 (Appendix C).

No cultural resources have been previously identified within the APE, but 39 sites, built-environment resources, and historic addresses have been recorded within the surrounding 1-mile records search area. Two prehistoric sites have been recorded within 750 feet of the project alignment. CA-ORA-370, recorded and last updated in 1970, consists of a habitation site with at least one observed burial. CA-ORA-267, recorded and last updated in 1966, has been reported to include a shelter and scatter of marine shell. As no updates to these site records have been provided in the last 45 to 55 years (prior to GPS technology), the mapped boundaries of these sites are likely inaccurate.

A request was made on January 2, 2012, for a search of the NAHC's Sacred Lands File for the Tertiary Treatment Plant and Recycled Water Distribution System Expansion Project. For the current project, a request was made on April 3, 2015, for a search of the NAHC's Sacred Lands File for the present proposed project area. This search did not indicate the presence of Native American traditional cultural places within this area or the surrounding 1-mile buffer. The NAHC additionally provided a list of Native American tribes and individuals/organizations that might have knowledge of cultural resources in the area.

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Following NAHC's response, letters were sent to the listed tribal representatives requesting information, opinions, or concerns relating to the proposed project. These letters contained a brief description of the planned project, reference maps, and a summary of the NAHC's Sacred Lands File search results. No responses to these outreach attempts have been received to date.

The SCCIC records searches, NAHC Sacred Lands File searches, and cultural pedestrian surveys did not indicate that cultural resources are within the APE. All project-related earth moving would occur within areas previously disturbed by road construction and installation of utilities. Previous cultural resources monitoring conducted of ground disturbances for the initial phase of this project did not encounter any unanticipated archaeological resources, nor did it appear to have much potential to do so. Based on this information, it appears that no cultural resources would be impacted by the proposed project.

No further cultural efforts or mitigation, including cultural construction monitoring, are recommended as necessary in support of implementation of the current project. In the unlikely event that archaeological material should be identified by project personnel during earth-moving activities, work should be temporarily halted, and the ETWD consulted. A qualified archaeologist would be assigned to review the unanticipated find, and evaluation efforts of this resource for National Register of Historic Places and California Register of Historical Resources listing would be initiated in consultation with the City of Laguna Woods. Therefore, the proposed project would have a less-than-significant impact on archaeological resources.

c) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less-than-Significant Impact. According to Figure VI-9 of the Resources Element of the Orange County General Plan (County of Orange 2011), the project area is located within the Laguna Hills/Dana Point area, which is identified as an area of paleontological sensitivity. However, as described previously, the pipelines would be placed at depths of 5 to 7 feet within existing roadways that have been previously disturbed due to the installation of utility lines at depths of up to 8 feet. Therefore, given the level of previous disturbance within the project area, it is highly unlikely that any paleontological resources would be encountered, and impacts would be less than significant.

d) Would the project disturb any human remains, including those interred outside of formal cemeteries?

Less-than-Significant Impact. As described in response 4.5.b, the previously recorded archaeological sites within the APE appear to have been completely destroyed by previous development, and no other prehistoric cultural materials are located within the APE. However, should human remains be discovered, work would halt in that area and procedures set forth in the California Public Resources Code (Section 5097.98) and State Health and Safety Code (Section 7050.5) would be followed, beginning with notification to the ETWD and County Coroner. If Native American remains are present, the County Coroner would contact the NAHC to designate a most likely descendent, who would arrange for the dignified disposition and treatment of the remains. Therefore, with compliance with State Health and Safety Code Section 7050.5, potential impacts to human remains would be less than significant.

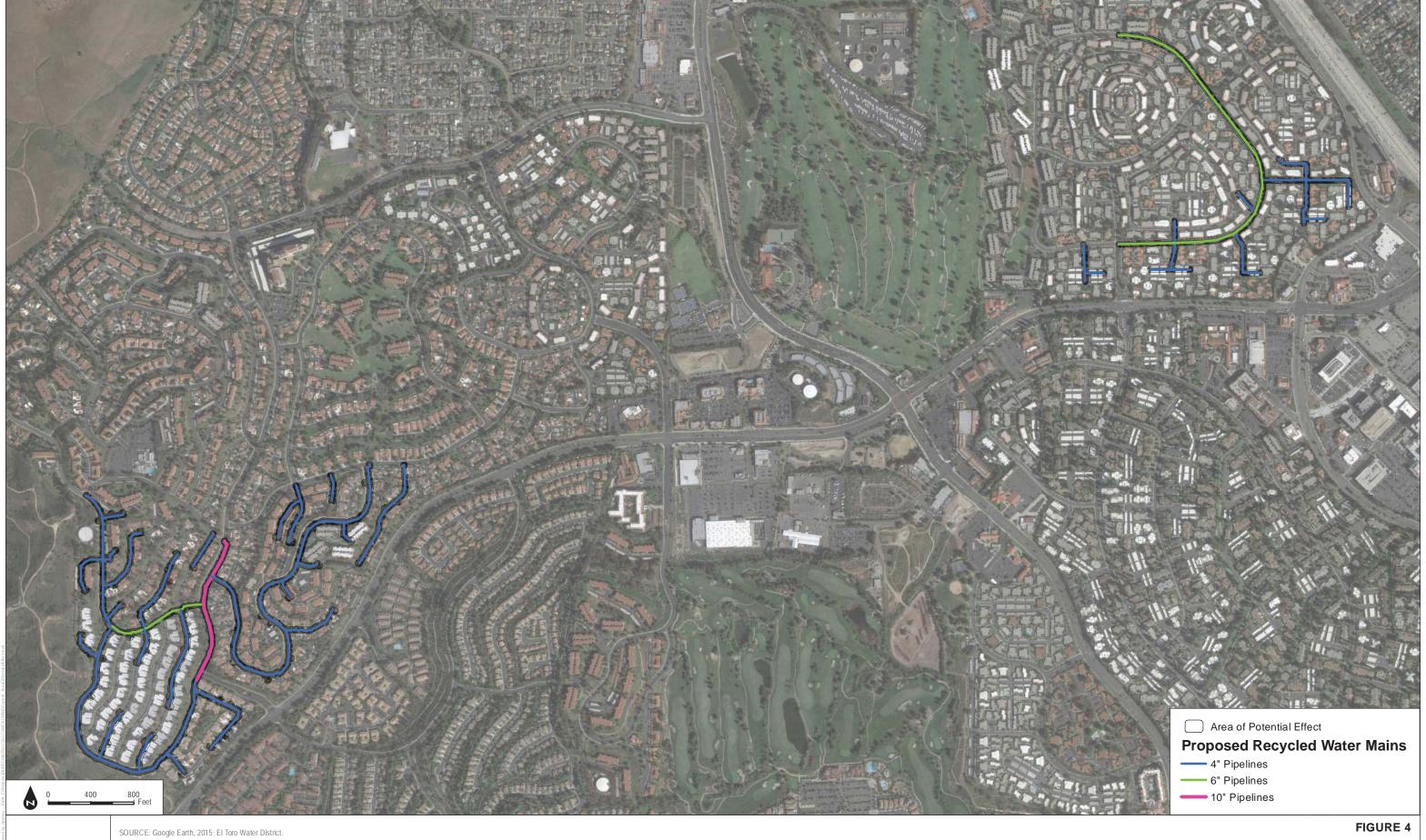
CEQA-Plus Evaluation

National Historic Preservation Act, Section 106:

Identify the APE, including construction, staging areas, and depth of any excavation. (Note that the APE is three-dimensional and includes all areas that may be affected by the project, including the surface area and extending belowground to the depth of any project excavations.)

The APE includes areas where construction of the 5.4 miles of recycled water distribution system pipeline would occur. Construction of the proposed project would require excavation to depths of 5 to 7 feet. Construction parking and staging areas would be located in previously disturbed and/or paved areas at the ETWD WRP site. The APE has been disturbed by construction associated with surrounding residential and commercial development, including grading for roads and house/building pads, and installation of underground utilities such as sewer, stormwater, water, electrical, cable, and fiber-optic.

Refer to Appendix C for the Cultural Resources Inventory and to Figure 4 for the mapped APE.



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Area of Potential Effects

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4.6 Geology and Soils

- a) Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:
 - i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

Less-than-Significant Impact. The project site is located within seismically active Southern California, an area where several faults and fault zones are considered active by the California Division of Mines and Geology. Alquist-Priolo earthquake fault zones have been established for the majority of these faults and fault zones. According to the City of Laguna Woods General Plan, Figure S-3, the closest known faults are the San Joaquin Hills Fault, located approximately 2 miles from the site; the Newport Inglewood (Offshore) Fault, located 5 miles from the site; and the Newport Inglewood (L.A. Basin) Fault, located 10 miles from the project site (City of Laguna Woods 2014). No active faults are mapped or are known to cross the site, and the project site is not located within a currently designated Alquist-Priolo Earthquake Fault Zone (California Geological Survey 2007). The proposed pipelines would be constructed per CBC standards, which address seismic issues. Therefore, the project would have a less-than-significant impact on people or structures due to an earthquake.

ii) Strong seismic ground shaking?

Less-than-Significant Impact. As stated in response 4.6.a.i., although the project site is not located within an Alquist-Priolo Earthquake Fault Zone, there is potential for exposure to seismic ground shaking within seismically active Southern California. Severe ground shaking from a seismic event from nearby faults could result in damage to the proposed project. The proposed project would not include development of any human occupancy structures. However, the pipelines would be designed per the standards of the CBC, which address seismic issues. Therefore, the required project design features would reduce any potential impacts to a less-than-significant level.

iii) Seismic-related ground failure, including liquefaction?

Less-than-Significant Impact. According to the City of Laguna Woods General Plan, Figure S-5, portions of the proposed project site are located within potential liquefaction areas (City of Laguna Woods 2014). However, the proposed

underground pipeline is not a human occupancy structure. Any failure caused in the system from seismic-related events, including ground failure or liquefaction, would not jeopardize the life and/or safety of humans. In addition, adherence to the CBC standards would reduce any potential impacts to a less-than-significant level.

iv) Landslides?

Less-than-Significant Impact. According to the City of Laguna Woods General Plan, Figure S-4, portions of the proposed project are located in potential landslide areas (City of Laguna Woods 2014). However, as described in response 4.6.a.iii, the proposed project is not a human occupancy structure. Additionally, adherence to the CBC standards would reduce any potential impacts to a less-than-significant level.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Less-than-Significant Impact. The proposed pipelines would be located within existing roadways, and construction would occur within already paved areas that do not have the potential for soil erosion. Therefore, the impacts to soil erosion or loss of topsoil would be less than significant.

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

Less-than-Significant Impact. As discussed in responses 4.6.a.iii and 4.6.a.iv, the site has potential for landslides and liquefaction. However, adherence to the CBC, as specified in Section 2.3.3, would reduce any potential impacts to less than significant.

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

Less-than-Significant Impact. The project site could be prone to a variety of instabilities, including shrink/swell, differential settlement, or other instabilities that could only be determined through site-specific soil testing. According to the City of Laguna Woods General Plan, Figures S-4 and S-5, portions of the proposed project are located in potential landslide and liquefaction areas (City of Laguna Woods 2014). However, adherence to the CBC, as specified in Section 2.3.3, would reduce potential impacts to less than significant.

e) Would the project 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?

No Impact. No septic tanks or alternative disposal systems are proposed as part of the project. Therefore, there would be no impact.

4.7 Greenhouse Gas Emissions

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

Less-than-Significant Impact. Global climate change is a cumulative impact; a project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of greenhouse gases (GHGs). Thus, GHG impacts are recognized as exclusively cumulative impacts; there are no non-cumulative GHG emissions impacts from a climate change perspective (CAPCOA 2008). This approach is consistent with that recommended by the California Natural Resource Agency, which noted in its Public Notice for the proposed CEQA amendments that the evidence before it indicates that, in most cases, the impact of GHG emissions should be considered in the context of a cumulative impact, rather than a project-level impact (CNRA 2009a). Similarly, the Final Statement of Reasons for Regulatory Action for amendments to the CEQA Guidelines confirms that an EIR or other environmental document must analyze the incremental contribution of a project to GHG levels and determine whether those emissions are cumulatively considerable (CNRA 2009b).

Neither California nor the SCAQMD has adopted thresholds for GHG emissions under CEQA. The Governor's Office of Planning and Research issued a technical advisory titled CEQA and Climate Change: Addressing Climate Change through CEQA Review, which states, "public agencies are encouraged but not required to adopt thresholds of significance for environmental impacts. Even in the absence of clearly defined thresholds for GHG emissions, the law requires that such emissions from CEQA projects must be disclosed and mitigated to the extent feasible whenever the lead agency determines that the project contributes to a significant, cumulative climate change impact" (OPR 2008, p.4). Furthermore, the advisory document indicates, "in the absence of regulatory standards for GHG emissions or other scientific data to clearly define what constitutes a 'significant impact,' individual lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice" (OPR 2008, p.6).

Although the proposed project would result in emissions of GHGs during construction, there are currently no established thresholds for assessing whether the GHG emissions of a project in the Air Basin would be a cumulatively considerable contribution to global climate change. However, all reasonable efforts would be made to minimize the project's contribution to global climate change. Estimated project-generated GHG emissions and their impact on global climate are addressed below.

Construction GHG Emissions. Construction of the proposed project would result in GHG emissions primarily associated with use of off-road construction equipment and vehicles, and on-road construction and worker vehicles. CalEEMod was used to calculate the annual GHG emissions, expressed in units of carbon dioxide equivalent (CO₂E), based on the construction scenario described in Appendix A.

Table 6 presents construction emissions for 2016 and 2017, which were modeled using the same assumptions as in Section 4.3, Air Quality.

Table 6
Estimated Annual Construction Greenhouse Gas Emissions

	MT CO ₂	MT CH ₄	MT N₂O	MT CO₂E
2016	293	0.08	0.00	295
2017	32	<0.01	0.00	33
Total	325	0.08	0.00	328

Source: Appendix A

MT = metric tons; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrogen dioxide; CO₂E = carbon dioxide equivalent

As shown in Table 6, the estimated total GHG emissions during construction would be 328 metric tons CO₂E in 2016 and 2017. Additional details regarding these calculations are in Appendix A. Construction-related GHG emissions would occur over 15 months and would not represent a long-term source of GHG emissions. As the project would not cause a cumulatively considerable contribution, it would result in a cumulative impact in terms of climate change that is less than significant.

Operational GHG Emissions. As discussed in Section 4.3, Air Quality, the proposed project would not involve long-term operational activities. Potential maintenance or repair of pipelines would be temporary and would not result in a substantial source of GHG operational emissions. Accordingly, the proposed project would not generate operational GHG emissions that would have a significant impact on the environment, and this cumulative impact would be less than significant.

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

Less-than-Significant Impact. The Climate Change Scoping Plan, approved by CARB on December 12, 2008, provides an outline for actions to reduce California's GHG emissions. The Scoping Plan requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. ETWD, local jurisdictions, and the SCAQMD have not adopted any GHG reduction measures that would apply to the GHG emissions associated with the proposed project. At this time, no mandatory GHG regulations or finalized agency guidelines would apply to implementation of this project, and no conflict would occur. Therefore, this cumulative impact would be less than significant.

4.8 Hazards and Hazardous Materials

The following analysis relies on the Hazards Assessment for the MND for the El Toro Water District Phase II Recycled Water Distribution System Expansion Project (Appendix D) (Dudek 2015c).

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

Less-than-Significant Impact with Mitigation Incorporated. Information on chemical storage and known releases at the project site or at sites near the subject property was obtained from review of a hazardous materials database search, known as an Environmental Data Resources report (refer to Appendix D).

Construction Impacts

A variety of hazardous substances and wastes would be stored, used, and generated during construction of the proposed project. These would include fuels for machinery and vehicles, new and used motor oils, cleaning solvents, paints, and storage containers and applicators containing such materials. Accidental spills, leaks, fires, explosions, or pressure releases involving hazardous materials represent a potential threat to human health and the environment if not properly treated. Accident prevention and containment would be the responsibility of the construction contractors. Provisions to properly manage hazardous substances and wastes are described in Section 2.3.3. Adherence to the project design features listed in Section 2.3.3 and applicable regulations regarding hazardous materials and hazardous waste, including disposal, would reduce impacts associated with project construction. In addition, the following mitigation measure would

be implemented to mitigate potentially significant impacts associated with use of hazardous materials during construction of the proposed project.

Mitigation Measure 4.8-a:

Prior to construction, a hazardous substance management, handling, storage, disposal, and emergency response plan shall be prepared and implemented. Hazardous materials spill kits shall be maintained on site for small spills. All chemicals shall be managed in accordance with the California Hazardous Waste Control Law (California Health and Safety Code Division 20, Chapter 6.5) and Hazardous Waste Control Regulations (California Code of Regulations, Title 22, Division 4.5). Also prior to construction, the Department of Toxic Substances Control shall be contacted to determine if a permit is required.

Due to the accidental release of gasoline and Perchloroethylene (PCE) within the project vicinity, three listed sites may have impacted soil and/or groundwater within the proposed project area (Appendix D): Orange County Fire Station (24001 Paseo De Valencia), Shell Oil (23971 El Toro Road), and the Shops at Lake Forest Shopping Center (24312–24422 Rockfield Boulevard). The Orange County Fire Station is located approximately 390 feet south of the proposed project site. A release of gasoline to soil and groundwater was reported in July 1993. Shell Oil is located approximately 863 feet east of the proposed project site. A release of gasoline to groundwater was reported in April 1987. The Shops at Lake Forest is located approximately 0.40 mile east of the proposed project site. A dry cleaning facility was located at this property between 1960 and 2007. In 1965, a release of PCE from the dry cleaning operation was reported. For all three listed sites, groundwater flows toward the proposed project site. Additionally, based on review of historical aerial photographs, before development of the project site and surrounding areas, the land was used for agriculture until at least 1963. As a result, residual chlorinated and arsenical pesticides may be present in the shallow soils at the project site. Therefore, precautions would be taken in the event that impacted soil and/or groundwater is encountered during construction. A hazardous materials contingency plan would be prepared and would specify measures to be taken to protect worker and public health and safety. The following mitigation measure would be required to ensure that this potential impact is reduced to a less-than-significant level.

Mitigation Measure 4.8-b: Prior to construction in the project area, the El Toro Water District shall prepare a Hazardous Materials Contingency Plan. The plan shall specify measures to be taken to protect

worker and public health and safety, and specify measures to be taken to manage and remediate wastes. The plan shall include the following:

- Identification of known areas of soil and/or groundwater contamination
- Procedures for temporary cessation of construction activity and evaluation of the level of environmental concern
- Procedures for limiting access to the contaminated area to properly trained personnel
- Procedures for notification and reporting, including internal management and local agencies (e.g., Orange County Health Care Agency, local fire department), as needed
- A worker health and safety plan for excavation of contaminated soil and/or groundwater
- Procedures for characterizing and managing excavated soils
- Procedures for certification of completion of remediation

Implementation of Mitigation Measures 4.8-a and 4.8-b would reduce potential impacts during project construction to less than significant.

Operational Impacts

Operation of the proposed project would not involve chemical storage or use, and would not result in hazardous emissions. Therefore, no operational impacts would occur.

b) Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less-than-Significant Impact with Mitigation Incorporated. Refer to response 4.8.a.

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

No Impact. As described in response 4.8.a, the proposed project would not involve chemical storage or use, and would not result in hazardous emissions. Therefore, the proposed project would have no impact on schools.

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d) Would the project be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

No Impact. Based on review of the Environmental Data Resources report described in response 4.8.a, the sites located within the project area are not included in the list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. Therefore, no impact would occur.

e) Would the project 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?

No Impact. The closest airport to the project site is the John Wayne Airport, located approximately 8 miles to the northwest. The proposed project would not be located in the airport influence area for the John Wayne Airport (ALUC 2005). Therefore, the project would not result in a safety hazard for people residing or working in the project area, and there would be no impact.

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

No Impact. The project site is not located within the vicinity of a private airstrip. Therefore, the project would not result in a safety hazard for people residing or working in the project area, and there would be no impact.

g) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less-than-Significant Impact. Emergency preparedness in the City of Laguna Woods is managed by the City of Laguna Woods Public Safety Department and is overseen by the Orange County Emergency Operations Center. The City of Laguna Woods and Orange County have emergency response plans in place.

Once constructed, the proposed distribution system would be entirely underground and would not impair or interfere with applicable emergency response plans. In addition, during project construction, a traffic control plan would be implemented to ensure that adequate circulation is maintained on area roadways and emergency response plans are not impacted. Therefore, the impact of the proposed project would be less than significant.

h) Would the project expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

Less-than-Significant Impact. According to the City of Laguna Woods General Plan, Figure S-1, portions of the proposed project site are located within moderate, high, and very high fire hazard severity zones (City of Laguna Woods 2014). However, once constructed, the proposed project would be entirely underground and would not include development of any human occupancy structures. The proposed project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires; therefore, impacts would be less than significant.

4.9 Hydrology and Water Quality

a) Would the project violate any water quality standards or waste discharge requirements?

Less-than-Significant Impact. Water quality standards and waste discharge requirements applicable to the project relate to construction, long-term operation, and stormwater and non-stormwater discharges.

Stormwater Runoff

The proposed project would have no significant impact on the rate, volume, or pollutant load of stormwater runoff in the long run because the project would be underground within previously paved roadways, and because the construction sites associated with the project would be returned to pre-construction conditions after construction is complete (i.e., re-paved following pipeline installation).

However, construction activities could have short-term and localized impacts on water quality if conducted during the rainy season, and if improperly performed. Construction activities would occur incrementally along the proposed alignment in trench sections measuring 300 to 400 feet long. This type of construction activity, when exposed to wet weather, has the potential for loose soils and sediment to run off of soil stockpiles and exposed faces into the stormwater drainage system, and for construction vehicles and equipment to contribute pollutants to the storm drain system (e.g., leaks of lubricating fluid, fuels, oil and/or grease). Potential impacts would occur only during the construction period and only within the active construction zone, as the roadway be shored up as sections of the pipe installation are completed.

As a linear underground project exceeding 1 acre, ETWD's installation activities would be subject to SWRCB's Construction General Permit. The distribution system upgrade is a Type 1 Linear Underground Project, as defined by the SWRCB, because nearly 100% of the construction activity would occur within previously paved surfaces, and because areas disturbed during construction would be returned to preconstruction conditions or equivalent condition at the end of the day (SWRCB 2015). Steel plates or base pavement would be installed if an excavated area is left open at the end of each day. ETWD and/or its contractor would be required to prepare and implement a SWPPP, and register the construction project with the SWRCB by submitting a "Notice of Intent" and other permit registration documents in SWRCB's online permit registration system (SMARTS).

The purpose of a SWPPP is to identify construction stormwater BMPs that are appropriate for site conditions and construction activities. The following are examples of minimum BMPs that must be implemented on all construction sites subject to a SWPPP:

- Erosion control practices, including physical stabilization BMPs (hydraulic mulch, soil binders, straw mulch, geotextiles, plastic covers, mats), vegetation stabilization BMPs (hydroseeding), and wind erosion control (application of water).
- Sediment control practices, including perimeter protection (silt fence, fiber rolls, sand bag barrier, straw bale barrier), storm drain inlet protection, resource protection (gravel bag berm, silt fence, fiber rolls), sediment capture (sediment trap, desilting basin), velocity reduction (silt fence, check dam, velocity dissipation devices, sediment basin), and off-site sediment tracking (stabilized construction entrance/exit, construction road stabilization, entrance/outlet tire wash).
- Waste management and materials pollution control practices, including spill
 prevention and control, solid waste management, hazardous waste management,
 contaminated soil management, concrete waste management, sanitary/septic waste
 management, liquid waste management, vehicle and equipment cleaning, vehicle and
 equipment fueling, and vehicle and equipment maintenance.
- Materials management practices, including material delivery and storage, material use, and stockpile management.
- Non-stormwater management practices, including water conservation, dewatering operations, paving and grinding operations, temporary stream crossings, clear water

The State Water Resources Control Board states that "equivalent condition" means disturbed soils such as those from trench excavation are required to be hauled away, backfilled into the trench, and/or covered (e.g., metal plates, pavement, plastic covers over spoil piles) at the end of the construction day.

diversion, illicit connection reporting, potable water/irrigation, vehicle and equipment cleaning, vehicle and equipment fueling, vehicle and equipment maintenance, pile-driving operations, concrete curing, concrete finishing, materials and equipment use over water, structure demolition, temporary batch plants, and stream bank stabilization.

The type, location, and implementation of BMPs would ultimately be determined by a qualified SWPPP developer and a qualitied SWPPP practitioner, as defined by the SWRCB, and would be selected according to the risks and receiving water limitations applicable to each construction zone. To receive documentation of compliance with the Construction General Permit, ETWD must obtain a waste discharge identification number from the SWRCB that certifies it has complied with Construction General Permit requirements.

Because a SWPPP would be prepared and stormwater quality BMPs would be implemented as a regulatory requirement to ensure stormwater runoff leaving construction sites is substantially free on contaminants, construction activities associated with the proposed project would have a less-than-significant impact.

Non-Stormwater Discharges

Non-stormwater discharges during construction (e.g., construction-related trench dewatering) would be controlled and governed under the California Geological Survey and related SWPPP.

ETWD is authorized by the Santa Ana RWQCB to operate its WRP and recycled water distribution system pursuant to Santa Ana RWQCB Order No. R8-2015-0023, Waste Discharge Requirements and Master Reclamation Permit for the El Toro Water District Water Recycling Plan, Orange County. The proposed project does not increase the operating capacity of the WRP, and does not otherwise affect the receiving water limitations, general provisions, monitoring and reporting program requirements, or other special provisions contained in Order No. R8-2015-0023 (including preventive (fail-safe) and contingency (response and cleanup) provisions). Therefore, ETWD will continue to comply with RWQCB requirements for the operation and maintenance of its recycled water system as it has in the past, which means that the proposed project would not represent a violation of water quality standards or waste discharge requirements. Although the project would expand the recycled water distribution system to new areas, including into the San Diego RWOCB Region 9, it would meet existing demand for irrigation that is currently served by potable water supplies and would have no new impacts to water quality standards or trigger new waste discharge requirements. It would not result in a substantial increase in the area to be irrigated.

For these reasons, the proposed project's impacts with respect to water quality standards or waste discharge requirements would be less than significant.

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

Less-than-Significant Impact. The project area is not currently an area that allows for groundwater recharge because the streets are currently paved, and would remain so following construction of the project. This means that implementation of the proposed project would not affect the location or rate of groundwater recharge. Furthermore, the project itself does not involve consumptive uses of water (i.e., the project relates to the conveyance/distribution of water), nor does it propose use of groundwater for any reason. The project would allow irrigation demands to be served by tertiary treated recycled water instead of potable water, and, thus, would not have any effect on the local groundwater table or substantially deplete an aquifer.

Due to the depth of excavation for trenches and the location of the project outside of an alluvial plain, it is unlikely that project construction activities would intercept shallow groundwater. In the unlikely event that trenching activities encounter shallow or perched groundwater, it would have to be pumped out of the excavation trench to provide a dry work zone. The effect of that activity on groundwater would be highly localized (i.e., limited to a few feet around the excavation) and temporary (lasting only during installation activities, i.e., a day), and would occur in groundwater that is not accessed or desirable for municipal supply uses (groundwater wells, if present, tap deeper zones). In addition, any water quality impacts related to dewatering would be addressed by a SWPPP, as described in response 4.9.a.

For these reasons, the project would have a less-than-significant impact with respect to groundwater.

c) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on or off site?

No Impact. There are no water features, including a stream or river, that would be affected by the proposed project. Furthermore, no increase or decrease of impervious

surface is proposed between pre-development and post-development conditions. The original grade and line of the paved roadways would be maintained, and so drainage patterns are not anticipated to change as a result of the proposed project. The project would have a no impact with respect to drainage patterns or alteration of the course of a stream or river.

The potential effects of the project on stormwater quality during construction are addressed in response 4.9.a.

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

No Impact. Refer to response 4.9.c. The project would have a no impact with respect to drainage patterns or alteration of the course of a stream or river.

e) Would the project create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Less-than-Significant Impact. Refer to responses 4.9.a and 4.9.c. No increase or decrease of impervious surface is proposed between pre-development and post-development conditions. The original grade and line of the paved roadways are proposed to be maintained; therefore, drainage patterns are not anticipated to change as a result of the proposed project. Although the project would expand the recycled water distribution system to new areas, it would meet existing demands for irrigation that are currently served by potable water supplies. Therefore, the project would not create or contribute to runoff water when compared to existing conditions. For this reason, the impact would be less than significant.

f) Would the project otherwise substantially degrade water quality?

No Impact. Refer to responses 4.9.a through 4.9.e. Besides the relevant issues addressed above, there is no other reason that the project would substantially degrade water quality. ETWD is authorized under an existing NPDES permit to provide tertiary treated water for irrigation uses in a manner that does not degrade water quality or adversely affect the beneficial uses of receiving water bodies. There would be no impact.

g) Would the project place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?

No Impact. The project footprint is not located within a Federal Emergency Management Agency (FEMA) 100-year or 500-year flood zone. However, an area that is identified as being susceptible to a 100-year flood runs parallel to El Toro Road and is located within the project study area (FEMA 2009). The proposed recycled water lines would not cross the identified 100-year flood area. Additionally, development of this project would not place housing within a flood hazard area. Therefore, there would be no impact.

h) Would the project place within a 100-year flood hazard area structures which would impede or redirect flood flows?

No Impact. Refer to response 4.9.g. Since the proposed pipelines would not cross a FEMA 100-year or 500-year flood zone, and the project does not propose any structures that would impede or redirect flood flows, there would be no impact.

i) Would the project expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?

No Impact. The project site is not located within the vicinity of an existing levee or dam. No portion of the project would involve construction of a levee or dam. Therefore, there would be no impact.

j) Inundation by seiche, tsunami, or mudflow?

No Impact. Hydrologic and topographic conditions of the project site and surrounding area do not lend themselves to a seiche, tsunami, or mudflow. The proposed project is not near any water body that would potentially be affected by a seiche, tsunami, or mudflow. Therefore, the proposed project would not be affected by any of the above-stated natural phenomena and there would be no impact.

CEQA-Plus Evaluation

Flooapiain Management – Executive Oraer Number 11988:				
•	portion of the project site located within a 100-year floodplain as depicted on a lain map or otherwise designated by FEMA?			
\boxtimes	No. Provide a description of the project location with respect to streams and potential floodplains:			
	The nearest reservoir to the project site is the Veeh Reservoir, located northwest and northeast of the project site. The project site is not within the 100-year floodplain associated with this reservoir. Other areas near the project site within the 100-year floodplain include a drainage area located south of Santa Maria Drive between Paseo Del Lago West and Paseo Del Lago East, and a drainage that runs north/south parallel to El Toro Road.			
	Yes. Describe the floodplain, and include a floodplain map and a floodplains/wetlands assessment. Describe any measures and/or project design modifications that would minimize or avoid flood damage by the project.			
Wild a	nd Scenic Rivers Act:			
Is any	portion of the project located within a wild and scenic river?			
\boxtimes	No. The project would not impact a wild and scenic river.			
	Yes. Identify the wild and scenic river watershed and project location relative to the affected wild and scenic river.			
	Identify watershed where the project is located: Newport Bay Watershed.			

Source Water Protection:

Is the project located in an area designated by the U.S. EPA, Region 9, as a Sole Source Aquifer? (For more information, please visit http://www.epa.gov/region09/water/groundwater/ssa.html.)

\boxtimes	No. The project is not within the boundaries of a sole source aquifer.
	Yes. Identify the aquifer (e.g., Santa Margarita Aquifer, Scott's Valley, the Fresno County Aquifer, the Campo/Cottonwood Creek Aquifer or the Ocotillo-Coyote Wells Aquifer).

4.10 Land Use and Planning

a) Would the project physically divide an established community?

No Impact. The proposed project would be located entirely underground; therefore, the project would not physically divide an established community and there would be no impact.

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

No Impact. The proposed project would be located entirely underground; therefore, the project would not conflict with any land use plan, policy, or regulation and there would be no impact.

c) Would the project conflict with any applicable habitat conservation plan or natural community conservation plan?

No Impact. The study area is located within the boundaries of the County of Orange Central and Coastal Subregion NCCP/HCP. ETWD is not a participating landowner under this plan, and the project is not subject to the provisions of this plan. The study area is within the Central and Coastal NCCP/HCP area, but not within a designated conservation area (i.e., Reserve). Additionally, the study area does not support suitable habitat for listed species, and, therefore, does not have any permit obligations under the California or federal Endangered Species Acts. The project is not in conflict with the County of Orange Central and Coastal NCCP/HCP.

CEQA-Plus Evaluation

Coastal Zone Management Act:

Is any portion of the project site located within the coastal zone?

\bowtie	No. The project is not within the coastal zone.
	Yes. Describe the project location with respect to coastal areas, and the status of the
	coastal zone permit.

4.11 **Mineral Resources**

a) Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

No Impact. No mineral resources, as defined by the state Surface Mining and Reclamation Act, have been identified in the City of Laguna Woods (City of Laguna Woods 2015a). Therefore, there would be no impact on a known mineral resource.

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

No Impact. Refer to response 4.11.a. No mineral resources have been identified in the project area. Therefore, there would be no impact on a locally important mineral resource recovery site.

4.12 Noise

a) Would the project result in exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less-than-Significant Impact. Ambient noise in the project vicinity is primarily generated from traffic along various roads, including Ridge Route Drive, Santa Maria Avenue, El Toro Road, Interstate 5, Santa Vittoria Drive, and Moulton Parkway. Occasional civilian aircraft fly-overs also produce noise at the area.

Land uses in the vicinity of the project area generally consist of residential and commercial uses. Single- and multi-family development, Laguna Coast Wilderness Park,

and other community facilities surround the western portion of the project area. Primarily single-family and multi-family residences, the Laguna Woods Village Golf Course, multiple churches, Laguna Hills City Hall, Orange County Fire Station No. 22, and some commercial uses surround the eastern portion.

Since the project site is located in the City of Laguna Woods, the established construction noise guidelines of the Laguna Woods Municipal Code applies to the proposed project. The City of Laguna Woods Municipal Code permits construction activities between 7 a.m. and 8 p.m., Monday through Saturday. No construction activity is allowed on Sundays or federal holidays (City of Laguna Woods 2015b).

Community construction noise levels can be expressed in terms of the equivalent continuous noise level (L_{eq}), also referred to as the average sound level. In general terms, L_{eq} is the average noise level during the specified time period.

Ambient Noise Monitoring

Noise measurements were conducted along the proposed pipeline alignment to determine the approximate ambient daytime noise level. Noise measurements were conducted on January 24, 2012, between 11:30 a.m. and 12:30 p.m., and on February 21, 2012, between 10:30 a.m. and 1:00 p.m. These measurements were taken as part of the Phase I project and remain representative of the existing noise environment because the surrounding area is built out. Measurements were taken with a calibrated Larson Davis Model 700 integrating sound-level meter equipped with a half-inch pre-polarized condenser microphone with pre-amplifier. The sound-level meter meets the current American National Standards Institute's standard for a Type 1 precision sound-level meter. The sound-level meter was positioned at a height of approximately 5 feet above the ground. The measured daytime average sound levels ranged from 47 to 62 decibels (dB), as depicted in Table 7. Measurement results are in terms of the time-averaged sound level (Leq). All noise measurements were made 15 feet from the edge of the road.

Table 7
Ambient Measured Noise Levels

Site	Location	Sound Level (dB L _{eq})	Noise Sources
1	Veeh Ranch Park, 15 feet from edge of Santa Vittoria	60	Traffic noise from Santa Vittoria
2	Southeast Corner of Santa Vittoria and Avenida Copete	58	Traffic noise from Santa Vittoria
3	Caminito Los Pocitos	47	Background traffic
4	Northwest Corner of Santa Vittoria and Avenida Del Sol	57	Traffic noise from Santa Vittoria

Table 7
Ambient Measured Noise Levels

		Sound Level	
Site	Location	(dB L _{eq})	Noise Sources
5	Santa Vittoria Park, 15 feet from edge of Barbera	53	Traffic along Barbera
6	Avenida Sosiega	56	Traffic noise along Avenida Fosiega
7	Monte Hermoso	53	Traffic noise along Monte Hermoso
8	Calle Sonora	62	Traffic noise along Calle Sonora
9	East of Golf Course	47	Background traffic

Construction Noise

Construction of the proposed project would involve a series of construction activities, including excavation of open trenches, installation of pipes up to 10 inches in diameter, import of crushed rock, replacement of soil in trenches, and replacement of pavement-excavated areas. Construction of the proposed project would take approximately 15 months. Construction activity would be limited to the City of Laguna Woods' allowable construction hours and days, between 7 a.m. and 8 p.m., Monday through Saturday. No construction activity would occur on Sundays or federal holidays

Equipment would include use of saws, excavators, tractors/loaders/backhoes, trucks, plate compactors, pavers, and air compressors.

Construction noise is difficult to quantify because of the many variables involved, including the specific equipment type, size of equipment used, percentage of time in use, condition of each piece of equipment, and number of pieces of equipment that would actually operate on site. The range of maximum noise levels for various types of construction equipment at a distance of 50 feet is depicted in Table 8. The noise values represent maximum noise generation, or full-power operation of the equipment. For example, a loader and two dozers, all operating at full power and relatively close together, would generate a maximum sound level of approximately 90 A-weighted decibels (dBA) at 50 feet from their operations. As the distance between equipment is increased and/or the separation between areas with simultaneous construction activity is increased, dispersion and distance attenuation reduce the effects of separate noise sources added together. In addition, typical operating cycles may involve 2 minutes of full-power operation, followed by 3 or 4 minutes at lower levels. The average noise level during construction activities is generally lower, since maximum noise generation may only occur up to 50% of the time. According to an EPA reference study, routine

noise levels from conventional construction activities (with a typical number of equipment operating on the site) range from 75 to 86 dBA L_{eq} at a distance of 50 feet. Due to improvements in construction equipment silencing technology, these sound levels are 3 dB lower than the noise levels reported in the 1971 reference study (EPA 1971). Noise levels from construction activities generally decrease at a rate of 6 dB per doubling of distance away from the activity. Thus, at a distance of 100 feet from the center of construction activities, construction noise levels would range from 69 to 80 dBA L_{eq} . At a distance of 500 feet from the center of construction activities, construction noise would range from 55 to 66 dBA L_{eq} . At a distance of 1,000 feet, construction noise could range up to 49 to 60 dBA L_{eq} , but would likely be lower due to additional attenuation from ground effects, air absorption, and shielding from intervening structures or topography.

Table 8
Construction Equipment Noise Levels

Equipment Type	Typical Noise Level dBA at 50 Feet
Backhoe	80
Truck	88
Loader	85
Saw	76
Compactor	82
Paver	89
Compressor	81

Source: FTA 2006

The proposed pipeline would primarily be adjacent to residences along various residential, collector, and major roads, including sections of El Toro Road. Construction activities and the resulting noise levels would be similar throughout the project area. Some construction would take place within roadways, and, thus, could be 50 feet or closer to residences. However, construction would occur for approximately 1 day at any one particular location, and the loudest construction noise levels at adjacent residences would be brief. Although the noise could be annoying to some residents, due to the short-term duration of the construction activities, and because the construction activities would occur during the City of Laguna Woods' allowable time periods, this noise level would result in a less-than-significant noise impact.

b) Would the project result in exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

Less-than-Significant Impact. Ground-borne vibration is a small, rapidly fluctuating motion transmitted through the ground that diminishes (attenuates) fairly rapidly over distance. Ground-borne vibration from heavy equipment operations during construction of the proposed project was evaluated and compared to relevant vibration impact criteria using the Federal Transit Administration's Transit Noise and Vibration Impact Assessment, which provides vibration impact criteria and recommended methodologies and guidance for assessment of vibration effects (FTA 2006).

At a distance of approximately 20 feet, the vibration level from heavy construction machinery (such as a loaded truck or a drilling rig) would be between approximately 0.106 peak particle velocity in inches per second and 0.124 peak particle velocity in inches per second. Vibration levels of this magnitude would likely be perceptible at nearby residences, but would be below the Federal Transit Administration's threshold of potential damage for normal structures (0.20 peak particle velocity in inches per second), and would not be considered excessive. Therefore, short-term construction-related vibration impacts would be less than significant.

c) Would the project result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

No Impact. The proposed project would not include use or installation of permanent noise-generating equipment such as pumps or motors. Once constructed, the proposed project would not result in any increase in noise levels. Therefore, there would be no impact.

d) Would the project result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

Less-than-Significant Impact. Refer to response 4.12.a. Construction of the proposed project would not result in any significant temporary or periodic noise impacts; therefore, this impact would be less than significant.

e) Would the project be located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The closest airport to the project site is John Wayne Airport, located approximately 8 miles to the northwest. The project site is not within an area influenced by an airport land use plan. Therefore, there would be no impact.

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

No Impact. The proposed project is not located within the vicinity of a private airstrip. People residing or working in the proposed project area would not be exposed to excessive noise levels from a private airstrip. No impact would occur.

4.13 Population and Housing

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

Less-than-Significant Impact. The proposed project would involve the expansion of a recycled water distribution system. The project would enable ETWD to provide up to 300 afy of additional tertiary-treated recycled water to existing dedicated irrigation customers within the ETWD service area, which is already a built-out suburban area. The project would expand ETWD's ability to distribute recycled water within its service area, which would potentially reduce the demand on other previously available water supplies. However, no direct growth constraint would be removed, nor would a direct stimulus to growth be added. Therefore, the impact on local population trends would be less than significant.

b) Would the project displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

No Impact. The project would be located within existing roadways and would not displace housing. Therefore, housing would not be displaced and there would be no impact.

c) Would the project displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

No Impact. See responses 4.13.a and 4.13.b. Since there is no housing where the proposed pipelines would be installed (within roadways), there would be no impact.

4.14 Public Services

a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

Fire protection?

Less-than-Significant Impact. The project would not include the addition of housing, schools, or other community facilities that might require fire protection. The project would also not indirectly induce the addition of housing, schools, or other community facilities (see response 4.13.a). However, sparks from equipment and/or vehicles and other construction activities could increase the potential for fire ignition. Therefore, during the 15-month construction phase of the proposed project, construction-related activities would result in an increase in the need for emergency fire protection services. However, due to the limited number of construction workers and the duration of the construction schedule, impacts to fire protection services would be less than significant.

Police protection?

No Impact. The project would not include the addition of housing, schools, or other community facilities that might require police protection. The project would also not indirectly induce additional housing, schools, or other community facilities (see response 4.13.a). Construction of the distribution system would not change local police protection response times or affect demand for police protection services in the project area. Therefore, there would be no impact to police protection.

Schools?

No Impact. The project would not involve a housing component that would result in population growth and an increased demands on existing schools within the area. Therefore, no impact to schools would occur.

Parks?

No Impact. The project would not involve a housing component or increase employment opportunities that would result in population growth. Therefore, additional demands on existing public parks would not occur as a result of project implementation and there would be no impact.

Other public facilities?

No Impact. Refer to the above responses. Since the project would not involve any housing or increase in employment opportunities within the area, there would be no impact on other public facilities.

4.15 Recreation

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?

No Impact. The proposed project would not involve a housing component or substantially increase employment opportunities within the area; therefore, the project would not increase the use of existing neighborhood and regional parks or other recreational facilities, and there would be no impact.

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

No Impact. The project would not affect existing recreational resources or require the need for new or expanded recreational facilities. Therefore, there would be no impact associated with recreational facilities.

4.16 **Transportation and Traffic**

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

Less-than-Significant Impact. The project has the potential to create temporary lane closures during construction of the 5.4-mile distribution system, which may increase congestion during peak travel times. The project area is accessed by Avenida De La Carlota, El Toro Road, Moulton Parkway, Santa Maria Avenue, Santa Vittoria Drive, and local streets. Any potential lane and driveway closures would need to be coordinated with area residents and businesses to provide proper access. In addition, ETWD would develop a traffic control plan to minimize impacts to area roadways. Construction impacts due to the project would, therefore, be less than significant.

Once constructed, the pipelines would be below the surface of the roadways and would require only occasional maintenance. Impacts due to operation of the project would, therefore, be less than significant.

b) Would the project conflict with an applicable congestion management program, including, but not limited to level of service (LOS) standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

Less-than-Significant Impact. Although the project would require temporary lane closures and would result in a temporary increase in traffic on local roadways during construction, this short-term and limited construction-related traffic would not create a substantial impact on traffic volumes nor change traffic patterns in such a way that would affect the level of service on local area roadways. In addition, once built, the proposed pipelines would be below the surface of the roadways and would not impact traffic on these roadways. Therefore, impacts would be less than significant.

c)Would the project result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

No Impact. The proposed project site is not located within the vicinity of an airport or private airstrip. The nearest airport is John Wayne International Airport, located 8 miles

northwest of the proposed project site. Air traffic patterns would not be affected by the proposed project and no impact would occur.

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

No Impact. The proposed project would use existing roadways and would not involve permanent alteration of existing roadways, nor would it require incompatible vehicular access. Therefore, the project would have no impact in this regard.

e) Would the project result in inadequate emergency access?

Less-than-Significant Impact. Construction of the proposed pipelines would require lane closures when the pipelines are installed. A Traffic Control Plan would be developed prior to construction to reduce potential traffic impacts. This plan would identify roadways to be constructed; dates for construction; hours of construction activities; and access requirements for emergency vehicles, residents, and area businesses. Therefore, with implementation of the Traffic Control Plan, impacts would be less than significant.

f) Would the project conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

Less-than-Significant Impact. The proposed project would not result in any conflicts with adopted policies, plans, or programs that support alternative transportation. However, during construction, bus service, bicycle lanes, and pedestrian sidewalks on roadways within the project area would be temporarily impacted. The required Traffic Control Plan would ensure that adequate notice is given to the Orange County Transit Authority and the City of Laguna Woods to allow them to make arrangements for the impacted bus lines and roadways, and that the project complies with Caltrans and the Americans with Disabilities Act standards for pedestrian access. Once constructed, the proposed pipelines would be below the surface of existing roadways and would not impact public transit, bicycle, or pedestrian facilities. Therefore, with implementation of the Traffic Control Plan, impacts would be less than significant.

4.17 Utilities and Service Systems

- a) Would the project exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?
 - **Less-than-Significant Impact.** The project would increase the distribution system for water recycling and would not result in the generation of additional wastewater treatment demands. Therefore, the project would not exceed wastewater treatment requirements and the impact would be less than significant.
- b) Would the project require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?
 - **Less-than-Significant Impact.** The project would not generate population growth and would increase the supply of recycled water available for non-potable uses. Therefore, the project would be beneficial and the impact on water and wastewater facilities would be less than significant.
- c) Would the project require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?
 - *No Impact.* The project would be located within existing streets and would, therefore, have no impact on stormwater drainage.
- d) Would the project have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?
 - **Less-than-Significant Impact.** The project would increase the supply of recycled water available for non-potable uses and would not increase the demand for water supplies. Therefore, the project would be beneficial to water supplies and the impact would be less than significant.

e) Would the project result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less-than-Significant Impact. See responses 4.17.a and 4.17.b. Since the proposed project would not result in increased demand for wastewater treatment, the impact would be less than significant.

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

Less-than-Significant Impact. The proposed project, once complete, would not require solid waste material disposal. Waste generated during construction would be disposed of off site in accordance with federal, state, and local statutes and regulations related to solid waste. Therefore, the impact would be less than significant.

g) Would the project comply with federal, state, and local statutes and regulations related to solid waste?

Less-than-Significant Impact. See response 4.17.f. Construction of the proposed project would require minimal solid waste material disposal. Therefore, the impact would be less than significant.

4.18 Mandatory Findings of Significance

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

Less-than-Significant Impact. As discussed in Section 4.4, potential impacts to biological resources, including endangered species or habitat, would be reduced to a less-than-significant level through implementation of the required project design features to comply with the MBTA and CFGC (nesting bird avoidance/surveys), and indirect impacts to coastal California gnatcatcher are not expected. Therefore, indirect impacts would be less than significant.

b) Does the project have the potential to achieve short-term environmental goals to the disadvantage of long-term environmental goals?

Less-than-Significant Impact. The proposed project would achieve short-term and long-term environmental goals by increasing the distribution of recycled water for irrigation within ETWD's service area. The increased availability of recycled water would reduce the demand for imported water in the ETWD service area, thereby reducing the environmental impacts associated with importing water. Since the proposed project would achieve both short-term and long-term environmental goals, impacts would be less than significant.

c) 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)?

Less-than-Significant Impact. As discussed under each issue area in Section 4 of this MND, the proposed project would not result in significant impacts to aesthetics, agricultural and forestry resources, air quality, geology and soils, greenhouse gas emissions, land use and planning, mineral resources, noise, population and housing, public services, recreation, transportation and traffic, or utilities and services systems. Mitigation measures recommended for biological resources, cultural resources, hazards and hazardous materials, and hydrology and water quality would reduce impacts to below a level of significance.

The project would incrementally contribute to cumulative impacts for projects occurring within the ETWD service area, within the City of Laguna Woods, and within the region. With mitigation, however, no residually significant impacts would result with implementation of the proposed project. In the absence of residually significant impacts, the incremental accumulation of effects would be less than significant.

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

Less-than-Significant with Mitigation Incorporated. Based on the analysis contained throughout this MND, all impacts related to the proposed project can be mitigated to a level below significance. Therefore, substantial adverse impacts on human beings would not occur as a result of the proposed project, and the impact would be less than significant with mitigation incorporated.

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5 REPORT PREPARATION PERSONNEL

Dudek

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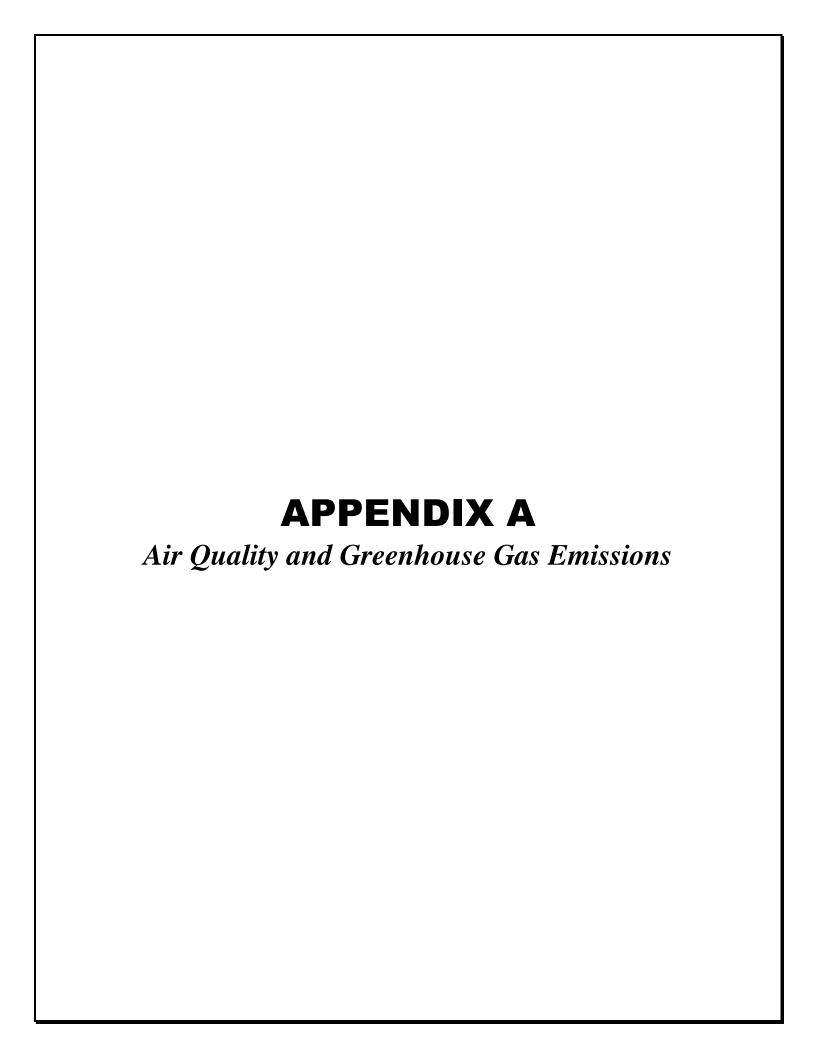
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ETWD Phase II Recycled Water Dist Construction

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.51	1000sqft	0.65	28,512.00	0

1.2 Other Project Characteristics

Urbanization Wind Speed (m/s) Urban 2.2 Precipitation Freq (Days) 30 8 2017 **Climate Zone Operational Year Utility Company** Southern California Edison **CO2 Intensity** 630.89 **CH4 Intensity** 0.029 **N2O Intensity** 0.006 (lb/MWhr) (lb/MWhr) (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Construction Phase - modified per construction schedule and equipment

Off-road Equipment - modified per construction schedule and equipment

Trips and VMT - modified per construction schedule and equipment

Grading - modified per construction schedule and equipment

Construction Off-road Equipment Mitigation - modified per construction schedule and equipment

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2.0 Emissions Summary

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					ton	s/yr							МТ	-/yr		
2016	0.2710	2.6698	2.0745	3.1800e- 003	0.0305	0.1638	0.1942	7.4400e- 003	0.1507	0.1582	0.0000	293.4857	293.4857	0.0774	0.0000	295.1107
Total	0.2710	2.6698	2.0745	3.1800e- 003	0.0305	0.1638	0.1942	7.4400e- 003	0.1507	0.1582	0.0000	293.4857	293.4857	0.0774	0.0000	295.1107

Mitigated Construction

	ROG	NOx	СО	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					ton	s/yr							МТ	√yr		
2016	0.2710	2.6698	2.0745	3.1800e- 003	0.0277	0.1638	0.1915	7.1400e- 003	0.1507	0.1579	0.0000	293.4854	293.4854	0.0774	0.0000	295.1104
Total	0.2710	2.6698	2.0745	3.1800e- 003	0.0277	0.1638	0.1915	7.1400e- 003	0.1507	0.1579	0.0000	293.4854	293.4854	0.0774	0.0000	295.1104

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	9.03	0.00	1.42	4.03	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00

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3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	01 Site Preparation	Site Preparation	3/1/2016	3/2/2016	5	2	
2	Trenching	Trenching	3/1/2016	12/1/2016	5	198	
3	01 Paving	Paving	3/1/2016	3/7/2016	5	5	
4	02 Site Preparation	Site Preparation	4/1/2016	4/4/2016	5	2	
5	02 Paving	Paving	4/1/2016	4/7/2016	5	5	
6	03 Site Preparation	Site Preparation	5/1/2016	5/3/2016	5	2	
7	03 Paving	Paving	5/1/2016	5/6/2016	5	5	
8	04 Site Preparation	Site Preparation	6/1/2016	6/2/2016	5	2	
9	04 Paving	Paving	6/1/2016	6/7/2016	5	5	
10	05 Site Preparation	Site Preparation	7/1/2016	7/4/2016	5	2	
11	05 Paving	Paving	7/1/2016	7/7/2016	5	5	
12	06 Site Preparation	Site Preparation	8/1/2016	8/2/2016	5	2	
13	06 Paving	Paving	8/1/2016	8/5/2016	5	5	
14	07 Site Preparation	Site Preparation	9/1/2016	9/2/2016	5	2	
15	07 Paving	Paving	9/1/2016	9/7/2016	5	5	
16	08 Site Preparation	Site Preparation	10/1/2016	10/4/2016	5	2	
17	08 Paving	Paving	10/1/2016	10/7/2016	5	5	
18	09 Site Preparation	Site Preparation	11/1/2016	11/2/2016	5	2	
19	09 Paving	Paving	11/1/2016	11/7/2016	5	5	
20	Final Paving (Grind and Cap)	Paving	12/1/2016	12/30/2016	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
01 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
01 Site Preparation	Graders	0	8.00	174	0.41
01 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Trenching	Excavators	2	8.00	162	0.38
Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
01 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
01 Paving	Pavers	2	8.00	125	0.42
01 Paving	Plate Compactors	2	8.00	8	0.43
01 Paving	Rollers	0	7.00	80	0.38
01 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
02 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
02 Site Preparation	Graders	0	8.00	174	0.41
02 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
02 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
02 Paving	Pavers	2	8.00	125	0.42
02 Paving	Plate Compactors	2	8.00	8	0.43
02 Paving	Rollers	0	7.00	80	0.38
02 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
03 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
03 Site Preparation	Graders	0	8.00	174	0.41
03 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
03 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
03 Paving	Pavers	2	8.00	125	0.42
03 Paving	Plate Compactors	2	8.00	8	0.43
03 Paving	Rollers	0	7.00	80	0.38
03 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37

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		·	U	y	p
04 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
04 Site Preparation	Graders	0	8.00	174	0.41
04 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
04 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
04 Paving	Pavers	2	8.00	125	0.42
04 Paving	Plate Compactors	2	8.00	8	0.43
04 Paving	Rollers	0	7.00	80	0.38
04 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
05 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
05 Site Preparation	Graders	0	8.00	174	0.41
05 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
05 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
05 Paving	Pavers	2	8.00	125	0.42
05 Paving	Plate Compactors	2	8.00	8	0.43
05 Paving	Rollers	0	0.00	80	0.38
05 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
06 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
06 Site Preparation	Graders	0	8.00	174	0.41
06 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
06 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
06 Paving	Pavers	2	8.00	125	0.42
06 Paving	Plate Compactors	2	8.00	8	0.43
06 Paving	Rollers	0	7.00	80	0.38
06 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
07 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
07 Site Preparation	Graders	0	8.00	174	0.41
07 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
07 Paving	Cement and Mortar Mixers	0	6.00	9	0.56

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07 Paving	Pavers	2	8.00	125	-
07 Paving	Plate Compactors	2	8.00	8	0.43
07 Paving	Rollers	0	7.00	80	0.38
07 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
08 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
08 Site Preparation	Graders	0	8.00	174	0.41
08 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
08 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
08 Paving	Pavers	2	8.00	125	0.42
08 Paving	Plate Compactors	2	8.00	8	0.43
08 Paving	Rollers	0	7.00	80	0.38
08 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
09 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
09 Site Preparation	Graders	0	8.00	174	0.41
09 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
09 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
09 Paving	Pavers	2	8.00	125	0.42
09 Paving	Plate Compactors	2	8.00	8	0.43
09 Paving	Rollers	0	7.00	80	0.38
09 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Final Paving (Grind and Cap)	Cement and Mortar Mixers	0	6.00	9	0.56
Final Paving (Grind and Cap)	Pavers	2	8.00	125	0.42
Final Paving (Grind and Cap)	Paving Equipment	2	8.00	130	0.36
Final Paving (Grind and Cap)	Rollers	0	7.00	80	0.38
Final Paving (Grind and Cap)	Tractors/Loaders/Backhoes	0	7.00	97	0.37

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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
01 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	6	16.00	2.00	432.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
01 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
02 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
02 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
03 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
03 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
04 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
04 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
05 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
05 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
06 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
06 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
07 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
07 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
08 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
08 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
09 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
09 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Final Paving (Grind	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 01 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							МТ	√yr		
Fugitive Dust					2.7000e- 004	0.0000	2.7000e- 004	3.0000e- 005	0.0000	3.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	2.7000e- 004	7.0000e- 005	3.4000e- 004	3.0000e- 005	7.0000e- 005	1.0000e- 004	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	ROG	NOx	СО	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					ton	s/yr							МТ	-/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

Mitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	Г/уг		
Fugitive Dust					1.0000e- 004	0.0000	1.0000e- 004	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	1.0000e- 004	7.0000e- 005	1.7000e- 004	1.0000e- 005	7.0000e- 005	8.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	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					ton	s/yr							МТ	-/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

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3.3 Trenching - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	/yr		
Off-Road	0.2117	2.1663	1.6342	2.2800e- 003		0.1424	0.1424		0.1310	0.1310	0.0000	215.0572	215.0572	0.0649	0.0000	216.4195
Total	0.2117	2.1663	1.6342	2.2800e- 003		0.1424	0.1424		0.1310	0.1310	0.0000	215.0572	215.0572	0.0649	0.0000	216.4195

	ROG	NOx	СО	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					ton	s/yr							MT	Г/уг		
Hauling	4.1200e- 003	0.0626	0.0481	1.6000e- 004	3.7000e- 003	9.0000e- 004	4.6000e- 003	1.0200e- 003	8.2000e- 004	1.8400e- 003	0.0000	14.5122	14.5122	1.0000e- 004	0.0000	14.5143
Vendor	1.8500e- 003	0.0179	0.0234	4.0000e- 005	1.2200e- 003	2.7000e- 004	1.4900e- 003	3.5000e- 004	2.5000e- 004	6.0000e- 004	0.0000	3.8815	3.8815	3.0000e- 005	0.0000	3.8821
Worker	5.4100e- 003	8.0200e- 003	0.0836	2.1000e- 004	0.0174	1.2000e- 004	0.0175	4.6200e- 003	1.1000e- 004	4.7300e- 003	0.0000	15.6739	15.6739	7.7000e- 004	0.0000	15.6900
Total	0.0114	0.0885	0.1551	4.1000e- 004	0.0223	1.2900e- 003	0.0236	5.9900e- 003	1.1800e- 003	7.1700e- 003	0.0000	34.0675	34.0675	9.0000e- 004	0.0000	34.0864

Mitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	-/yr		
Off-Road	0.2117	2.1663	1.6342	2.2800e- 003		0.1424	0.1424		0.1310	0.1310	0.0000	215.0570	215.0570	0.0649	0.0000	216.4192
Total	0.2117	2.1663	1.6342	2.2800e- 003		0.1424	0.1424		0.1310	0.1310	0.0000	215.0570	215.0570	0.0649	0.0000	216.4192

	ROG	NOx	СО	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					ton	s/yr							МТ	Γ/yr		
Hauling	4.1200e- 003	0.0626	0.0481	1.6000e- 004	3.7000e- 003	9.0000e- 004	4.6000e- 003	1.0200e- 003	8.2000e- 004	1.8400e- 003	0.0000	14.5122	14.5122	1.0000e- 004	0.0000	14.5143
Vendor	1.8500e- 003	0.0179	0.0234	4.0000e- 005	1.2200e- 003	2.7000e- 004	1.4900e- 003	3.5000e- 004	2.5000e- 004	6.0000e- 004	0.0000	3.8815	3.8815	3.0000e- 005	0.0000	3.8821
Worker	5.4100e- 003	8.0200e- 003	0.0836	2.1000e- 004	0.0174	1.2000e- 004	0.0175	4.6200e- 003	1.1000e- 004	4.7300e- 003	0.0000	15.6739	15.6739	7.7000e- 004	0.0000	15.6900
Total	0.0114	0.0885	0.1551	4.1000e- 004	0.0223	1.2900e- 003	0.0236	5.9900e- 003	1.1800e- 003	7.1700e- 003	0.0000	34.0675	34.0675	9.0000e- 004	0.0000	34.0864

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3.4 01 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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	s/yr							MT	Г/уг		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	ROG	NOx	СО	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					ton	s/yr							MT	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

Mitigated Construction On-Site

	ROG	NOx	СО	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	s/yr							МТ	Γ/yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

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3.5 02 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	√yr		
Fugitive Dust					5.3000e- 004	0.0000	5.3000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	5.3000e- 004	7.0000e- 005	6.0000e- 004	6.0000e- 005	7.0000e- 005	1.3000e- 004	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	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					ton	s/yr							МТ	-/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

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Mitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							МТ	√yr		
Fugitive Dust					2.1000e- 004	0.0000	2.1000e- 004	2.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	2.1000e- 004	7.0000e- 005	2.8000e- 004	2.0000e- 005	7.0000e- 005	9.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	ROG	NOx	СО	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					ton	s/yr							МТ	Γ/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

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3.6 02 Paving - 2016

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	s/yr							MT	Г/уг		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	ROG	NOx	СО	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

Mitigated Construction On-Site

	ROG	NOx	СО	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	s/yr							M	Γ/yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	ROG	NOx	СО	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					ton	s/yr							M	Г/уг		
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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

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3.7 03 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							МТ	√yr		
Fugitive Dust					5.3000e- 004	0.0000	5.3000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	5.3000e- 004	7.0000e- 005	6.0000e- 004	6.0000e- 005	7.0000e- 005	1.3000e- 004	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	ROG	NOx	СО	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					ton	s/yr							МТ	-/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

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Mitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							МТ	√yr		
Fugitive Dust					2.1000e- 004	0.0000	2.1000e- 004	2.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	2.1000e- 004	7.0000e- 005	2.8000e- 004	2.0000e- 005	7.0000e- 005	9.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	ROG	NOx	СО	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					ton	s/yr							МТ	Γ/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

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3.8 03 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	√yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	ROG	NOx	СО	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

Mitigated Construction On-Site

	ROG	NOx	СО	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	s/yr							МТ	Γ/yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	ROG	NOx	СО	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					ton	s/yr							M	Г/уг		
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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

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3.9 04 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							МТ	√yr		
Fugitive Dust					5.3000e- 004	0.0000	5.3000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	5.3000e- 004	7.0000e- 005	6.0000e- 004	6.0000e- 005	7.0000e- 005	1.3000e- 004	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	ROG	NOx	СО	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					ton	s/yr							МТ	-/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

Mitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	Г/уг		
Fugitive Dust					2.1000e- 004	0.0000	2.1000e- 004	2.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	2.1000e- 004	7.0000e- 005	2.8000e- 004	2.0000e- 005	7.0000e- 005	9.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	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					ton	s/yr							MT	Γ/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

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Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							МТ	/yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	ROG	NOx	СО	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					ton	s/yr							MT	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

Mitigated Construction On-Site

	ROG	NOx	СО	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	s/yr							МТ	Γ/yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

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Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							МТ	√yr		
Fugitive Dust					5.3000e- 004	0.0000	5.3000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	5.3000e- 004	7.0000e- 005	6.0000e- 004	6.0000e- 005	7.0000e- 005	1.3000e- 004	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	ROG	NOx	СО	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					ton	s/yr							MT	/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

Mitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	Г/уг		
Fugitive Dust					2.1000e- 004	0.0000	2.1000e- 004	2.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	2.1000e- 004	7.0000e- 005	2.8000e- 004	2.0000e- 005	7.0000e- 005	9.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	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					ton	s/yr							MT	/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

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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	Γ/yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	ROG	NOx	СО	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

Mitigated Construction On-Site

	ROG	NOx	СО	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	s/yr							МТ	Γ/yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	ROG	NOx	СО	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					ton	s/yr							MT	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

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Unmitigated Construction On-Site

	ROG	NOx	СО	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					5.3000e- 004	0.0000	5.3000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129	
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	5.3000e- 004	7.0000e- 005	6.0000e- 004	6.0000e- 005	7.0000e- 005	1.3000e- 004	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129	

	ROG	NOx	СО	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	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344	
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396	
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740	

Mitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	Г/уг		
Fugitive Dust					2.1000e- 004	0.0000	2.1000e- 004	2.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	2.1000e- 004	7.0000e- 005	2.8000e- 004	2.0000e- 005	7.0000e- 005	9.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	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					ton	s/yr							МТ	-/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

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Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	√yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	ROG	NOx	СО	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

Mitigated Construction On-Site

	ROG	NOx	СО	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	s/yr							МТ	Γ/yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

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Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							МТ	√yr		
Fugitive Dust					5.3000e- 004	0.0000	5.3000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	5.3000e- 004	7.0000e- 005	6.0000e- 004	6.0000e- 005	7.0000e- 005	1.3000e- 004	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	ROG	NOx	СО	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					ton	s/yr							МТ	-/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

Mitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	Г/уг		
Fugitive Dust					2.1000e- 004	0.0000	2.1000e- 004	2.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	2.1000e- 004	7.0000e- 005	2.8000e- 004	2.0000e- 005	7.0000e- 005	9.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	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					ton	s/yr							MT	Γ/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

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Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	√yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	ROG	NOx	СО	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

Mitigated Construction On-Site

	ROG	NOx	СО	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	s/yr							МТ	Γ/yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

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Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							МТ	√yr		
Fugitive Dust					5.3000e- 004	0.0000	5.3000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	5.3000e- 004	7.0000e- 005	6.0000e- 004	6.0000e- 005	7.0000e- 005	1.3000e- 004	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	ROG	NOx	СО	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					ton	s/yr							MT	-/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

Mitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	Г/уг		
Fugitive Dust					2.1000e- 004	0.0000	2.1000e- 004	2.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	2.1000e- 004	7.0000e- 005	2.8000e- 004	2.0000e- 005	7.0000e- 005	9.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	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					ton	s/yr							MT	Γ/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

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Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	√yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	ROG	NOx	СО	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

Mitigated Construction On-Site

	ROG	NOx	СО	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	s/yr							МТ	Γ/yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

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3.19 09 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							МТ	√yr		
Fugitive Dust					5.3000e- 004	0.0000	5.3000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	5.3000e- 004	7.0000e- 005	6.0000e- 004	6.0000e- 005	7.0000e- 005	1.3000e- 004	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	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					ton	s/yr							МТ	Γ/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

Mitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							МТ	Г/уг		
Fugitive Dust					2.1000e- 004	0.0000	2.1000e- 004	2.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129
Total	2.8000e- 004	1.7800e- 003	9.6000e- 004	0.0000	2.1000e- 004	7.0000e- 005	2.8000e- 004	2.0000e- 005	7.0000e- 005	9.0000e- 005	0.0000	0.2124	0.2124	2.0000e- 005	0.0000	0.2129

	ROG	NOx	СО	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					ton	s/yr							MT	-/yr		
Hauling	4.0000e- 005	5.8000e- 004	4.5000e- 004	0.0000	3.0000e- 005	1.0000e- 005	4.0000e- 005	1.0000e- 005	1.0000e- 005	2.0000e- 005	0.0000	0.1344	0.1344	0.0000	0.0000	0.1344
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	1.0000e- 005	2.0000e- 005	2.1000e- 004	0.0000	4.0000e- 005	0.0000	4.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0396	0.0396	0.0000	0.0000	0.0396
Total	5.0000e- 005	6.0000e- 004	6.6000e- 004	0.0000	7.0000e- 005	1.0000e- 005	8.0000e- 005	2.0000e- 005	1.0000e- 005	3.0000e- 005	0.0000	0.1740	0.1740	0.0000	0.0000	0.1740

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3.20 09 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	√yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	ROG	NOx	СО	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

Mitigated Construction On-Site

	ROG	NOx	СО	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	s/yr							МТ	Γ/yr		
Off-Road	2.2100e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.0600e- 003	0.0238	0.0153	2.0000e- 005		1.1700e- 003	1.1700e- 003		1.0800e- 003	1.0800e- 003	0.0000	2.2839	2.2839	6.6000e- 004	0.0000	2.2977

	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					ton	s/yr							МТ	Γ/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	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981
Total	7.0000e- 005	1.0000e- 004	1.0600e- 003	0.0000	2.2000e- 004	0.0000	2.2000e- 004	6.0000e- 005	0.0000	6.0000e- 005	0.0000	0.1979	0.1979	1.0000e- 005	0.0000	0.1981

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3.21 Final Paving (Grind and Cap) - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	Γ/yr		
Off-Road	0.0156	0.1778	0.1187	1.9000e- 004		8.8300e- 003	8.8300e- 003		8.1200e- 003	8.1200e- 003	0.0000	17.6771	17.6771	5.3300e- 003	0.0000	17.7890
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0164	0.1778	0.1187	1.9000e- 004		8.8300e- 003	8.8300e- 003		8.1200e- 003	8.1200e- 003	0.0000	17.6771	17.6771	5.3300e- 003	0.0000	17.7890

	ROG	NOx	СО	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					ton	s/yr							MT	Γ/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	3.0000e- 004	4.5000e- 004	4.6400e- 003	1.0000e- 005	9.7000e- 004	1.0000e- 005	9.7000e- 004	2.6000e- 004	1.0000e- 005	2.6000e- 004	0.0000	0.8708	0.8708	4.0000e- 005	0.0000	0.8717
Total	3.0000e- 004	4.5000e- 004	4.6400e- 003	1.0000e- 005	9.7000e- 004	1.0000e- 005	9.7000e- 004	2.6000e- 004	1.0000e- 005	2.6000e- 004	0.0000	0.8708	0.8708	4.0000e- 005	0.0000	0.8717

Mitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	√yr		
Off-Road	0.0156	0.1778	0.1187	1.9000e- 004		8.8300e- 003	8.8300e- 003		8.1200e- 003	8.1200e- 003	0.0000	17.6770	17.6770	5.3300e- 003	0.0000	17.7890
Paving	8.5000e- 004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0164	0.1778	0.1187	1.9000e- 004		8.8300e- 003	8.8300e- 003		8.1200e- 003	8.1200e- 003	0.0000	17.6770	17.6770	5.3300e- 003	0.0000	17.7890

	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					ton	s/yr							МТ	Γ/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	3.0000e- 004	4.5000e- 004	4.6400e- 003	1.0000e- 005	9.7000e- 004	1.0000e- 005	9.7000e- 004	2.6000e- 004	1.0000e- 005	2.6000e- 004	0.0000	0.8708	0.8708	4.0000e- 005	0.0000	0.8717
Total	3.0000e- 004	4.5000e- 004	4.6400e- 003	1.0000e- 005	9.7000e- 004	1.0000e- 005	9.7000e- 004	2.6000e- 004	1.0000e- 005	2.6000e- 004	0.0000	0.8708	0.8708	4.0000e- 005	0.0000	0.8717

ETWD Phase II Recycled Water Dist Construction

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.51	1000sqft	0.65	28,512.00	0

1.2 Other Project Characteristics

Urbanization Wind Speed (m/s) Urban 2.2 Precipitation Freq (Days) 30 2017 **Climate Zone Operational Year Utility Company** Southern California Edison **CO2 Intensity** 630.89 **CH4 Intensity** 0.029 **N2O Intensity** 0.006 (lb/MWhr) (lb/MWhr) (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Construction Phase - modified per construction schedule and equipment

Off-road Equipment - modified per construction schedule and equipment

Trips and VMT - modified per construction schedule and equipment

Grading - modified per construction schedule and equipment

Construction Off-road Equipment Mitigation - modified per construction schedule and equipment

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	1.00	2.00

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DiConstructionPhase NumDays 1.00 2.00	(I-10	N D	4.00	0.00
biconstructionPhase NumDays 1.00 2.00 tbiConstructionPhase PhaseEndDate 7/11/2016 7/7/2016 tbiConstructionPhase PhaseEndDate 9/9/2016 8/5/2016 tbiConstructionPhase PhaseEndDate 10/11/2016 10/7/2016 tbiConstructionPhase PhaseEndDate 10/11/2016 11/7/2016 tbiConstructionPhase PhaseEndDate 11/8/2016 11/7/2016 tbiConstructionPhase PhaseEndDate 12/8/2016 3/7/2016 tbiConstructionPhase PhaseEndDate 5/10/2016 5/6/2016 tbiConstructionPhase PhaseEndDate 5/10/2016 5/6/2016 tbiConstructionPhase PhaseEndDate 8/9/2016 7/4/2016 tbiCo	tblConstructionPhase	NumDays	1.00	2.00
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	tblConstructionPhase	PhaseEndDate	5/10/2016	6/2/2016
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	tblConstructionPhase	PhaseStartDate	7/5/2016	7/1/2016

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tblConstructionPhase PhaseStartDate 9/3/2016 9/1/2016 tblConstructionPhase PhaseStartDate 10/5/2016 10/1/2016 tblConstructionPhase PhaseStartDate 11/3/2016 11/1/2016 tblConstructionPhase PhaseStartDate 11/8/2016 12/1/2016 tblConstructionPhase PhaseStartDate 12/2/2016 3/1/2016 tblConstructionPhase PhaseStartDate 4/5/2016 4/1/2016 tblConstructionPhase PhaseStartDate 5/4/2016 5/1/2016 tblConstructionPhase PhaseStartDate 6/8/2016 7/1/2016 tblConstructionPhase PhaseStartDate 7/8/2016 8/1/2016 tblConstructionPhase PhaseStartDate 8/6/2016 9/1/2016 tblConstructionPhase PhaseStartDate 8/6/2016 9/1/2016 tblConstructionPhase PhaseStartDate 8/6/2016 9/1/2016	
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tblConstructionPhase PhaseStartDate 5/7/2016 6/1/2016	
tblConstructionPhase PhaseStartDate 3/3/2016 3/1/2016	
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tblGrading AcresOfGrading 0.00 1.00	
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tblOffRoadEquipment	HorsePower	81.00	16.00
tblOffRoadEquipment	HorsePower	81.00	16.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
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tblTripsAndVMT	HaulingTripNumber	0.00	4.00
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tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
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tblTripsAndVMT	WorkerTripNumber	5.00	4.00
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tblTripsAndVMT	WorkerTripNumber	5.00	4.00
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tblTripsAndVMT	WorkerTripNumber	10.00	8.00
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tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00

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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	СО	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/d	day							lb/d	day		
2016	3.8350	38.9241	29.2563	0.0454	0.9286	2.2547	2.9237	0.1638	2.0743	2.1594	0.0000	4,643.389 1	4,643.3891	1.2709	0.0000	4,670.0773
Total	3.8350	38.9241	29.2563	0.0454	0.9286	2.2547	2.9237	0.1638	2.0743	2.1594	0.0000	4,643.389 1	4,643.3891	1.2709	0.0000	4,670.0773

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/d	day							lb/d	day		
2016	3.8350	38.9241	29.2563	0.0454	0.6051	2.2547	2.6003	0.1288	2.0743	2.1594	0.0000	4,643.389 1	4,643.3891	1.2709	0.0000	4,670.0773
Total	3.8350	38.9241	29.2563	0.0454	0.6051	2.2547	2.6003	0.1288	2.0743	2.1594	0.0000	4,643.389 1	4,643.3891	1.2709	0.0000	4,670.0773

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	34.83	0.00	11.06	21.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	01 Site Preparation	Site Preparation	3/1/2016	3/2/2016	5	2	
2	Trenching	Trenching	3/1/2016	12/1/2016	5	198	
3	01 Paving	Paving	3/1/2016	3/7/2016	5	5	
4	02 Site Preparation	Site Preparation	4/1/2016	4/4/2016	5	2	
5	02 Paving	Paving	4/1/2016	4/7/2016	5	5	
6	03 Site Preparation	Site Preparation	5/1/2016	5/3/2016	5	2	
7	03 Paving	Paving	5/1/2016	5/6/2016	5	5	
8	04 Site Preparation	Site Preparation	6/1/2016	6/2/2016	5	2	
9	04 Paving	Paving	6/1/2016	6/7/2016	5	5	
10	05 Site Preparation	Site Preparation	7/1/2016	7/4/2016	5	2	
11	05 Paving	Paving	7/1/2016	7/7/2016	5	5	
12	06 Site Preparation	Site Preparation	8/1/2016	8/2/2016	5	2	
13	06 Paving	Paving	8/1/2016	8/5/2016	5	5	
14	07 Site Preparation	Site Preparation	9/1/2016	9/2/2016	5	2	
15	07 Paving	Paving	9/1/2016	9/7/2016	5	5	
16	08 Site Preparation	Site Preparation	10/1/2016	10/4/2016	5	2	
17	08 Paving	Paving	10/1/2016	10/7/2016	5	5	
18	09 Site Preparation	Site Preparation	11/1/2016	11/2/2016	5	2	
19	09 Paving	Paving	11/1/2016	11/7/2016	5	5	
20	Final Paving (Grind and Cap)	Paving	12/1/2016	12/30/2016	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
01 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
01 Site Preparation	Graders	0	8.00	174	0.41
01 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Trenching	Excavators	2	8.00	162	0.38
Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
01 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
01 Paving	Pavers	2	8.00	125	0.42
01 Paving	Plate Compactors	2	8.00	8	0.43
01 Paving	Rollers	0	7.00	80	0.38
01 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
02 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
02 Site Preparation	Graders	0	8.00	174	0.41
02 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
02 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
02 Paving	Pavers	2	8.00	125	0.42
02 Paving	Plate Compactors	2	8.00	8	0.43
02 Paving	Rollers	0	7.00	80	0.38
02 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
03 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
03 Site Preparation	Graders	0	8.00	174	0.41
03 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
03 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
03 Paving	Pavers	2	8.00	125	0.42
03 Paving	Plate Compactors	2	8.00	8	0.43
03 Paving	Rollers	0	7.00	80	0.38
03 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37

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04 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
04 Site Preparation	Graders	0	8.00	174	0.41
04 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
04 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
04 Paving	Pavers	2	8.00	125	0.42
04 Paving	Plate Compactors	2	8.00	8	0.43
04 Paving	Rollers	0	7.00	80	
04 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
05 Site Preparation	Concrete/Industrial Saws	2	8.00	16	
05 Site Preparation	Graders	0	8.00	174	0.41
05 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
05 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
05 Paving	Pavers	2	8.00	125	0.42
05 Paving	Plate Compactors	2	8.00	8	0.43
05 Paving	Rollers	0	0.00	80	0.38
05 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
06 Site Preparation	Concrete/Industrial Saws	2	8.00	16	
06 Site Preparation	Graders	0	8.00	174	0.41
06 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
06 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
06 Paving	Pavers	2		125	
06 Paving	Plate Compactors	2	8.00	8	0.43
06 Paving	Rollers	0			
06 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
07 Site Preparation	Concrete/Industrial Saws	2	8.00	16	
07 Site Preparation	Graders	0	8.00	174	
07 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	
07 Paving	Cement and Mortar Mixers	0	6.00	9	0.56

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07 Paving	Pavers	2	8.00	125	0.42
07 Paving	Plate Compactors	2	8.00	8	
07 Paving	Rollers	0	7.00	80	
07 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
08 Site Preparation	Concrete/Industrial Saws	2	8.00	16	
08 Site Preparation	Graders	0	8.00	174	0.41
08 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
08 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
08 Paving	Pavers	2	8.00	125	0.42
08 Paving	Plate Compactors	2	8.00	8	0.43
08 Paving	Rollers	0			
08 Paving	Tractors/Loaders/Backhoes	0	7.00	97	
09 Site Preparation	Concrete/Industrial Saws	2	8.00	16	
09 Site Preparation	Graders	0	8.00	174	
09 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
09 Paving	Cement and Mortar Mixers	0	6.00	9	
09 Paving	Pavers	2	8.00	125	
09 Paving	Plate Compactors	2	8.00	8	
09 Paving	Rollers	0	7.00	80	
09 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Final Paving (Grind and Cap)	Cement and Mortar Mixers	0	6.00	9	0.56
Final Paving (Grind and Cap)	Pavers	2	8.00	125	0.42
Final Paving (Grind and Cap)	Paving Equipment	2	8.00	130	
Final Paving (Grind and Cap)	Rollers	0	7.00	80	
Final Paving (Grind and Cap)	Tractors/Loaders/Backhoes	0	7.00	97	0.37

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
01 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	6	16.00	2.00	432.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
01 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
02 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
02 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
03 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
03 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
04 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
04 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
05 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
05 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
06 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
06 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
07 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
07 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
08 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
08 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
09 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
09 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Final Paving (Grind	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 01 Site Preparation - 2016

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/d	day							lb/d	day		
Fugitive Dust					0.2651	0.0000	0.2651	0.0286	0.0000	0.0286			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2651	0.0663	0.3315	0.0286	0.0663	0.0950		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/e	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.1034	0.0000	0.1034	0.0112	0.0000	0.0112			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.1034	0.0663	0.1697	0.0112	0.0663	0.0775	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

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3.3 Trenching - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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/c	lay							lb/d	day		
Off-Road	2.1387	21.8819	16.5073	0.0230		1.4385	1.4385		1.3234	1.3234		2,394.545 3	2,394.5453	0.7223		2,409.7132
Total	2.1387	21.8819	16.5073	0.0230		1.4385	1.4385		1.3234	1.3234		2,394.545 3	2,394.5453	0.7223		2,409.7132

	ROG	NOx	СО	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/e	day							lb/	day		
Hauling	0.0399	0.6012	0.4363	1.6100e- 003	0.0380	9.0400e- 003	0.0471	0.0104	8.3100e- 003	0.0187		161.7468	161.7468	1.1500e- 003		161.7710
Vendor	0.0175	0.1730	0.2044	4.3000e- 004	0.0125	2.7400e- 003	0.0152	3.5600e- 003	2.5200e- 003	6.0800e- 003		43.3718	43.3718	3.1000e- 004		43.3782
Worker	0.0555	0.0717	0.8784	2.1700e- 003	0.1788	1.2500e- 003	0.1801	0.0474	1.1500e- 003	0.0486		181.5363	181.5363	8.5400e- 003		181.7155
Total	0.1129	0.8459	1.5191	4.2100e- 003	0.2294	0.0130	0.2424	0.0614	0.0120	0.0734		386.6548	386.6548	0.0100		386.8647

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/c	lay							lb/d	day		
Off-Road	2.1387	21.8819	16.5073	0.0230		1.4385	1.4385		1.3234	1.3234	0.0000	2,394.545 3	2,394.5453	0.7223		2,409.7132
Total	2.1387	21.8819	16.5073	0.0230		1.4385	1.4385		1.3234	1.3234	0.0000	2,394.545 3	2,394.5453	0.7223		2,409.7132

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0399	0.6012	0.4363	1.6100e- 003	0.0380	9.0400e- 003	0.0471	0.0104	8.3100e- 003	0.0187		161.7468	161.7468	1.1500e- 003		161.7710
Vendor	0.0175	0.1730	0.2044	4.3000e- 004	0.0125	2.7400e- 003	0.0152	3.5600e- 003	2.5200e- 003	6.0800e- 003		43.3718	43.3718	3.1000e- 004		43.3782
Worker	0.0555	0.0717	0.8784	2.1700e- 003	0.1788	1.2500e- 003	0.1801	0.0474	1.1500e- 003	0.0486		181.5363	181.5363	8.5400e- 003		181.7155
Total	0.1129	0.8459	1.5191	4.2100e- 003	0.2294	0.0130	0.2424	0.0614	0.0120	0.0734		386.6548	386.6548	0.0100		386.8647

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3.4 01 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

Mitigated Construction On-Site

	ROG	NOx	СО	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	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	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	
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	
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578	
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578	

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3.5 02 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/e	day							lb/	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	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/d	day							lb/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/e	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	day							lb/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

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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/c	lay						lb.	/day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	1,007 8	7.011 1,007.0118 3	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	1,007 8	7.011 1,007.0118 3	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	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/d	day							lb/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	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/d	day							lb/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/e	day							lb/	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/e	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	day							lb/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	day							lb/e	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	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/d	day							lb/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/e	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

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3.18 08 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2 NE	Bio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	lay							lb/c	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	1,	,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	1,	,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	day							lb/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/e	day							lb/d	day		
Hauling	0.0365	0.5511	0.4000	1.4700e- 003	0.0348	8.2900e- 003	0.0431	9.5400e- 003	7.6200e- 003	0.0172		148.2679	148.2679	1.0500e- 003		148.2900
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
Worker	0.0139	0.0179	0.2196	5.4000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		45.3841	45.3841	2.1300e- 003		45.4289
Total	0.0504	0.5690	0.6196	2.0100e- 003	0.0796	8.6000e- 003	0.0882	0.0214	7.9100e- 003	0.0293		193.6520	193.6520	3.1800e- 003		193.7189

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3.20 09 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	1.4161	16.1604	10.7906	0.0171		0.8025	0.8025		0.7383	0.7383		1,771.420 8	1,771.4208	0.5343		1,782.6416
Paving	0.0774					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4935	16.1604	10.7906	0.0171		0.8025	0.8025		0.7383	0.7383		1,771.420 8	1,771.4208	0.5343		1,782.6416

	ROG	NOx	СО	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/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	1.4161	16.1604	10.7906	0.0171		0.8025	0.8025		0.7383	0.7383	0.0000	1,771.420 8	1,771.4208	0.5343		1,782.6416
Paving	0.0774					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4935	16.1604	10.7906	0.0171		0.8025	0.8025		0.7383	0.7383	0.0000	1,771.420 8	1,771.4208	0.5343		1,782.6416

	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/d	day							lb/d	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
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
Worker	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578
Total	0.0278	0.0359	0.4392	1.0900e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		90.7681	90.7681	4.2700e- 003		90.8578

ETWD Phase II Recycled Water Dist Construction

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.51	1000sqft	0.65	28,512.00	0

1.2 Other Project Characteristics

Urbanization Wind Speed (m/s) Precipitation Freq (Days) Urban 2.2 30 **Climate Zone** 8 **Operational Year** 2017 **Utility Company** Southern California Edison **CO2 Intensity** 630.89 **CH4 Intensity N2O Intensity** 0.006 0.029 (lb/MWhr) (lb/MWhr) (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Construction Phase - modified per construction schedule and equipment

Off-road Equipment - modified per construction schedule and equipment

Trips and VMT - modified per construction schedule and equipment

Grading - modified per construction schedule and equipment

Construction Off-road Equipment Mitigation - modified per construction schedule and equipment

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	1.00	2.00

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DiConstructionPhase NumDays 1.00 2.00	4-10	N D	4.00	0.00
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	tblConstructionPhase	PhaseEndDate	5/10/2016	6/2/2016
tblConstructionPhase PhaseStartDate 7/5/2016 7/1/2016	tblConstructionPhase	PhaseEndDate	12/5/2016	12/1/2016
	tblConstructionPhase	PhaseStartDate	7/5/2016	7/1/2016

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tblConstructionPhase PhaseStartDate 9/3/2016 9/1/2016 tblConstructionPhase PhaseStartDate 10/5/2016 10/1/2016 tblConstructionPhase PhaseStartDate 11/3/2016 11/1/2016 tblConstructionPhase PhaseStartDate 11/8/2016 12/1/2016 tblConstructionPhase PhaseStartDate 12/2/2016 3/1/2016 tblConstructionPhase PhaseStartDate 4/5/2016 4/1/2016 tblConstructionPhase PhaseStartDate 5/4/2016 5/1/2016 tblConstructionPhase PhaseStartDate 6/8/2016 7/1/2016 tblConstructionPhase PhaseStartDate 7/8/2016 8/1/2016 tblConstructionPhase PhaseStartDate 8/6/2016 9/1/2016 tblConstructionPhase PhaseStartDate 8/6/2016 9/1/2016	
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tblConstructionPhase PhaseStartDate 5/7/2016 6/1/2016	
tblConstructionPhase PhaseStartDate 3/3/2016 3/1/2016	
tblGrading AcresOfGrading 0.00 0.50	
tblGrading AcresOfGrading 0.00 1.00	
tblLandUse LandUseSquareFeet 28,510.00 28,512.00	

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tblOffRoadEquipment	HorsePower	81.00	16.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
			

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2017
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tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
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tblTripsAndVMT	HaulingTripNumber	0.00	4.00
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tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00
tblTripsAndVMT	WorkerTripNumber	5.00	4.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00

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2.0 Emissions Summary

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/d	day							lb/d	day		
2016	3.8474	38.9595	29.2855	0.0452	0.9286	2.2548	2.9238	0.1638	2.0744	2.1595	0.0000	4,628.229 8	4,628.2298	1.2709	0.0000	4,654.9185
Total	3.8474	38.9595	29.2855	0.0452	0.9286	2.2548	2.9238	0.1638	2.0744	2.1595	0.0000	4,628.229 8	4,628.2298	1.2709	0.0000	4,654.9185

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/d	day							lb/d	day		
2016	3.8474	38.9595	29.2855	0.0452	0.6051	2.2548	2.6003	0.1288	2.0744	2.1595	0.0000	4,628.229 8	4,628.2298	1.2709	0.0000	4,654.9185
Total	3.8474	38.9595	29.2855	0.0452	0.6051	2.2548	2.6003	0.1288	2.0744	2.1595	0.0000	4,628.229 8	4,628.2298	1.2709	0.0000	4,654.9185

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	34.83	0.00	11.06	21.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	01 Site Preparation	Site Preparation	3/1/2016	3/2/2016	5	2	
2	Trenching	Trenching	3/1/2016	12/1/2016	5	198	
3	01 Paving	Paving	3/1/2016	3/7/2016	5	5	
4	02 Site Preparation	Site Preparation	4/1/2016	4/4/2016	5	2	
5	02 Paving	Paving	4/1/2016	4/7/2016	5	5	
6	03 Site Preparation	Site Preparation	5/1/2016	5/3/2016	5	2	
7	03 Paving	Paving	5/1/2016	5/6/2016	5	5	
8	04 Site Preparation	Site Preparation	6/1/2016	6/2/2016	5	2	
9	04 Paving	Paving	6/1/2016	6/7/2016	5	5	
10	05 Site Preparation	Site Preparation	7/1/2016	7/4/2016	5	2	
11	05 Paving	Paving	7/1/2016	7/7/2016	5	5	
12	06 Site Preparation	Site Preparation	8/1/2016	8/2/2016	5	2	
13	06 Paving	Paving	8/1/2016	8/5/2016	5	5	
14	07 Site Preparation	Site Preparation	9/1/2016	9/2/2016	5	2	
15	07 Paving	Paving	9/1/2016	9/7/2016	5	5	
16	08 Site Preparation	Site Preparation	10/1/2016	10/4/2016	5	2	
17	08 Paving	Paving	10/1/2016	10/7/2016	5	5	
18	09 Site Preparation	Site Preparation	11/1/2016	11/2/2016	5	2	
19	09 Paving	Paving	11/1/2016	11/7/2016	5	5	
20	Final Paving (Grind and Cap)	Paving	12/1/2016	12/30/2016	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
01 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
01 Site Preparation	Graders	0	8.00	174	0.41
01 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Trenching	Excavators	2	8.00	162	0.38
Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
01 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
01 Paving	Pavers	2	8.00	125	0.42
01 Paving	Plate Compactors	2	8.00	8	0.43
01 Paving	Rollers	0	7.00	80	0.38
01 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
02 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
02 Site Preparation	Graders	0	8.00	174	0.41
02 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
02 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
02 Paving	Pavers	2	8.00	125	0.42
02 Paving	Plate Compactors	2	8.00	8	0.43
02 Paving	Rollers	0	7.00	80	0.38
02 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
03 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
03 Site Preparation	Graders	0	8.00	174	0.41
03 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
03 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
03 Paving	Pavers	2	8.00	125	0.42
03 Paving	Plate Compactors	2	8.00	8	0.43
03 Paving	Rollers	0	7.00	80	0.38
03 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37

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04 Site Preparation	Concrete/Industrial Saws	2	8.00	16	0.73
04 Site Preparation	Graders	0	8.00	174	0.41
04 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
04 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
04 Paving	Pavers	2	8.00	125	0.42
04 Paving	Plate Compactors	2	8.00	8	0.43
04 Paving	Rollers	0	7.00	80	
04 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
05 Site Preparation	Concrete/Industrial Saws	2	8.00	16	
05 Site Preparation	Graders	0	8.00	174	0.41
05 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
05 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
05 Paving	Pavers	2	8.00	125	0.42
05 Paving	Plate Compactors	2	8.00	8	0.43
05 Paving	Rollers	0	0.00	80	0.38
05 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
06 Site Preparation	Concrete/Industrial Saws	2	8.00	16	
06 Site Preparation	Graders	0	8.00	174	0.41
06 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
06 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
06 Paving	Pavers	2		125	
06 Paving	Plate Compactors	2	8.00	8	0.43
06 Paving	Rollers	0			
06 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
07 Site Preparation	Concrete/Industrial Saws	2	8.00	16	
07 Site Preparation	Graders	0	8.00	174	
07 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	
07 Paving	Cement and Mortar Mixers	0	6.00	9	0.56

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07 Paving	Pavers	2	8.00	125	0.42
07 Paving	Plate Compactors	2	8.00	8	
07 Paving	Rollers	0	7.00	80	
07 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
08 Site Preparation	Concrete/Industrial Saws	2	8.00	16	
08 Site Preparation	Graders	0	8.00	174	0.41
08 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
08 Paving	Cement and Mortar Mixers	0	6.00	9	0.56
08 Paving	Pavers	2	8.00	125	0.42
08 Paving	Plate Compactors	2	8.00	8	0.43
08 Paving	Rollers	0			
08 Paving	Tractors/Loaders/Backhoes	0	7.00	97	
09 Site Preparation	Concrete/Industrial Saws	2	8.00	16	
09 Site Preparation	Graders	0	8.00	174	
09 Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
09 Paving	Cement and Mortar Mixers	0	6.00	9	
09 Paving	Pavers	2	8.00	125	
09 Paving	Plate Compactors	2	8.00	8	
09 Paving	Rollers	0	7.00	80	
09 Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Final Paving (Grind and Cap)	Cement and Mortar Mixers	0	6.00	9	0.56
Final Paving (Grind and Cap)	Pavers	2	8.00	125	0.42
Final Paving (Grind and Cap)	Paving Equipment	2	8.00	130	
Final Paving (Grind and Cap)	Rollers	0	7.00	80	
Final Paving (Grind and Cap)	Tractors/Loaders/Backhoes	0	7.00	97	0.37

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
01 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	6	16.00	2.00	432.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
01 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
02 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
02 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
03 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
03 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
04 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
04 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
05 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
05 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
06 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
06 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
07 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
07 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
08 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
08 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
09 Site Preparation	2	4.00	0.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
09 Paving	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Final Paving (Grind	4	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 01 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2651	0.0000	0.2651	0.0286	0.0000	0.0286			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2651	0.0663	0.3315	0.0286	0.0663	0.0950		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.1034	0.0000	0.1034	0.0112	0.0000	0.0112			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.1034	0.0663	0.1697	0.0112	0.0663	0.0775	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

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3.3 Trenching - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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/c	lay							lb/d	day		
Off-Road	2.1387	21.8819	16.5073	0.0230		1.4385	1.4385		1.3234	1.3234		2,394.545 3	2,394.5453	0.7223		2,409.7132
Total	2.1387	21.8819	16.5073	0.0230		1.4385	1.4385		1.3234	1.3234		2,394.545 3	2,394.5453	0.7223		2,409.7132

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0426	0.6218	0.5008	1.6000e- 003	0.0380	9.0600e- 003	0.0471	0.0104	8.3400e- 003	0.0187		161.3613	161.3613	1.1600e- 003		161.3857
Vendor	0.0194	0.1771	0.2457	4.3000e- 004	0.0125	2.7700e- 003	0.0153	3.5600e- 003	2.5500e- 003	6.1100e- 003		43.0061	43.0061	3.2000e- 004		43.0127
Worker	0.0584	0.0789	0.8274	2.0600e- 003	0.1788	1.2500e- 003	0.1801	0.0474	1.1500e- 003	0.0486		171.9309	171.9309	8.5400e- 003		172.1101
Total	0.1205	0.8778	1.5738	4.0900e- 003	0.2294	0.0131	0.2424	0.0614	0.0120	0.0734		376.2982	376.2982	0.0100		376.5086

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	lay							lb/d	day		
Off-Road	2.1387	21.8819	16.5073	0.0230		1.4385	1.4385		1.3234	1.3234	0.0000	2,394.545 3	2,394.5453	0.7223		2,409.7132
Total	2.1387	21.8819	16.5073	0.0230		1.4385	1.4385		1.3234	1.3234	0.0000	2,394.545 3	2,394.5453	0.7223		2,409.7132

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0426	0.6218	0.5008	1.6000e- 003	0.0380	9.0600e- 003	0.0471	0.0104	8.3400e- 003	0.0187		161.3613	161.3613	1.1600e- 003		161.3857
Vendor	0.0194	0.1771	0.2457	4.3000e- 004	0.0125	2.7700e- 003	0.0153	3.5600e- 003	2.5500e- 003	6.1100e- 003		43.0061	43.0061	3.2000e- 004		43.0127
Worker	0.0584	0.0789	0.8274	2.0600e- 003	0.1788	1.2500e- 003	0.1801	0.0474	1.1500e- 003	0.0486		171.9309	171.9309	8.5400e- 003		172.1101
Total	0.1205	0.8778	1.5738	4.0900e- 003	0.2294	0.0131	0.2424	0.0614	0.0120	0.0734		376.2982	376.2982	0.0100		376.5086

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3.4 01 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	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/d	day							lb/d	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

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3.6 02 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	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/d	day							lb/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

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3.7 03 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	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/d	day							lb/d	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	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/d	day							lb/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/e	day							lb/	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/d	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	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/d	day							lb/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369	
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	
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275	
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645	

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Unmitigated Construction On-Site

	ROG	NOx	СО	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	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041	
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041	

	ROG	NOx	СО	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	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/d	day							lb/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	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/d	day							lb/d	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/e	day							lb/	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	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/d	day							lb/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663		234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.5303	0.0663	0.5966	0.0573	0.0663	0.1236		234.1391	234.1391	0.0251		234.6669

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.2822	1.7848	0.9637	2.8800e- 003		0.0663	0.0663		0.0663	0.0663	0.0000	234.1391	234.1391	0.0251		234.6669
Total	0.2822	1.7848	0.9637	2.8800e- 003	0.2068	0.0663	0.2731	0.0223	0.0663	0.0887	0.0000	234.1391	234.1391	0.0251		234.6669

	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/d	day							lb/d	day		
Hauling	0.0391	0.5700	0.4591	1.4700e- 003	0.0348	8.3100e- 003	0.0432	9.5400e- 003	7.6400e- 003	0.0172		147.9145	147.9145	1.0700e- 003		147.9369
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
Worker	0.0146	0.0197	0.2068	5.1000e- 004	0.0447	3.1000e- 004	0.0450	0.0119	2.9000e- 004	0.0122		42.9827	42.9827	2.1300e- 003		43.0275
Total	0.0537	0.5897	0.6659	1.9800e- 003	0.0796	8.6200e- 003	0.0882	0.0214	7.9300e- 003	0.0293		190.8972	190.8972	3.2000e- 003		190.9645

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322		1,007.011 8	1,007.0118	0.2901		1,013.1041

	ROG	NOx	СО	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/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	0.8825	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2231	9.5286	6.1252	0.0100		0.4680	0.4680		0.4322	0.4322	0.0000	1,007.011 8	1,007.0118	0.2901		1,013.1041

	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/d	day							lb/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

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Unmitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	1.4161	16.1604	10.7906	0.0171		0.8025	0.8025		0.7383	0.7383		1,771.420 8	1,771.4208	0.5343		1,782.6416
Paving	0.0774					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4935	16.1604	10.7906	0.0171		0.8025	0.8025		0.7383	0.7383		1,771.420 8	1,771.4208	0.5343		1,782.6416

	ROG	NOx	СО	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/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

Mitigated Construction On-Site

	ROG	NOx	СО	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/d	day							lb/d	day		
Off-Road	1.4161	16.1604	10.7906	0.0171		0.8025	0.8025		0.7383	0.7383	0.0000	1,771.420 8	1,771.4208	0.5343		1,782.6416
Paving	0.0774					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4935	16.1604	10.7906	0.0171		0.8025	0.8025		0.7383	0.7383	0.0000	1,771.420 8	1,771.4208	0.5343		1,782.6416

	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/d	day							lb/d	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
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
Worker	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551
Total	0.0292	0.0394	0.4137	1.0300e- 003	0.0894	6.2000e- 004	0.0901	0.0237	5.8000e- 004	0.0243		85.9654	85.9654	4.2700e- 003		86.0551

ETWD Phase II Recycled Water Dist Construction Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.51	1000sqft	0.65	28,512.00	0

1.2 Other Project Characteristics

Urbanization Wind Speed (m/s) Precipitation Freq (Days) Urban 2.2 30 **Climate Zone** 8 **Operational Year** 2017 **Utility Company** Southern California Edison **CO2 Intensity** 630.89 **CH4 Intensity** 0.029 **N2O Intensity** 0.006 (lb/MWhr) (lb/MWhr) (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Construction Phase - modified per construction schedule and equipment

Off-road Equipment - modified per construction schedule and equipment

Trips and VMT - modified per construction schedule and equipment

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	28,510.00	28,512.00
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblProjectCharacteristics	OperationalYear	2014	2017
tblTripsAndVMT	HaulingTripNumber	0.00	264.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00

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2.0 Emissions Summary

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					ton	s/yr							M	Γ/yr		
2017	0.0320	0.2280	0.1989	3.8000e- 004	3.7100e- 003	0.0158	0.0195	1.0100e- 003	0.0157	0.0167	0.0000	32.4464	32.4464	2.4900e- 003	0.0000	32.4988
Total	0.0320	0.2280	0.1989	3.8000e- 004	3.7100e- 003	0.0158	0.0195	1.0100e- 003	0.0157	0.0167	0.0000	32.4464	32.4464	2.4900e- 003	0.0000	32.4988

Mitigated Construction

	ROG	NOx	СО	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					ton	s/yr							MΤ	Г/уг		
2017	0.0320	0.2280	0.1989	3.8000e- 004	3.7100e- 003	0.0158	0.0195	1.0100e- 003	0.0157	0.0167	0.0000	32.4464	32.4464	2.4900e- 003	0.0000	32.4988
Total	0.0320	0.2280	0.1989	3.8000e- 004	3.7100e- 003	0.0158	0.0195	1.0100e- 003	0.0157	0.0167	0.0000	32.4464	32.4464	2.4900e- 003	0.0000	32.4988

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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

CalEEMod Version: CalEEMod.2013.2.2 Page 3 of 5

3.0 Construction Detail

Construction Phase

	Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
I	1	Retrofit Work	Trenching	1/1/2017	7/4/2017	5	132	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Retrofit Work	Air Compressors	1	8.00	78	0.48

Trips and VMT

Pł	hase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length		Vendor Vehicle Class	Hauling Vehicle Class
Retrofit	t Work	1	2.00	0.00	264.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CalEEMod Version: CalEEMod.2013.2.2 Page 4 of 5

3.2 Retrofit Work - 2017

Unmitigated Construction On-Site

	ROG	NOx	СО	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					ton	s/yr							MT	√yr		
Off-Road	0.0292	0.1923	0.1644	2.6000e- 004		0.0153	0.0153		0.0153	0.0153	0.0000	22.4686	22.4686	2.3700e- 003	0.0000	22.5185
Total	0.0292	0.1923	0.1644	2.6000e- 004		0.0153	0.0153		0.0153	0.0153	0.0000	22.4686	22.4686	2.3700e- 003	0.0000	22.5185

	ROG	NOx	СО	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					ton	s/yr							M⁻	Г/уг		
Hauling	2.3700e- 003	0.0351	0.0282	1.0000e- 004	2.2600e- 003	5.0000e- 004	2.7700e- 003	6.2000e- 004	4.6000e- 004	1.0800e- 003	0.0000	8.7222	8.7222	6.0000e- 005	0.0000	8.7235
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	4.1000e- 004	6.1000e- 004	6.3400e- 003	2.0000e- 005	1.4500e- 003	1.0000e- 005	1.4600e- 003	3.8000e- 004	1.0000e- 005	3.9000e- 004	0.0000	1.2556	1.2556	6.0000e- 005	0.0000	1.2569
Total	2.7800e- 003	0.0357	0.0346	1.2000e- 004	3.7100e- 003	5.1000e- 004	4.2300e- 003	1.0000e- 003	4.7000e- 004	1.4700e- 003	0.0000	9.9778	9.9778	1.2000e- 004	0.0000	9.9804

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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					ton	s/yr							MT	Γ/yr		
Off-Road	0.0292	0.1923	0.1644	2.6000e- 004		0.0153	0.0153		0.0153	0.0153	0.0000	22.4686	22.4686	2.3700e- 003	0.0000	22.5184
Total	0.0292	0.1923	0.1644	2.6000e- 004		0.0153	0.0153		0.0153	0.0153	0.0000	22.4686	22.4686	2.3700e- 003	0.0000	22.5184

	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					ton	s/yr							M	Г/уг		
Hauling	2.3700e- 003	0.0351	0.0282	1.0000e- 004	2.2600e- 003	5.0000e- 004	2.7700e- 003	6.2000e- 004	4.6000e- 004	1.0800e- 003	0.0000	8.7222	8.7222	6.0000e- 005	0.0000	8.7235
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	4.1000e- 004	6.1000e- 004	6.3400e- 003	2.0000e- 005	1.4500e- 003	1.0000e- 005	1.4600e- 003	3.8000e- 004	1.0000e- 005	3.9000e- 004	0.0000	1.2556	1.2556	6.0000e- 005	0.0000	1.2569
Total	2.7800e- 003	0.0357	0.0346	1.2000e- 004	3.7100e- 003	5.1000e- 004	4.2300e- 003	1.0000e- 003	4.7000e- 004	1.4700e- 003	0.0000	9.9778	9.9778	1.2000e- 004	0.0000	9.9804

ETWD Phase II Recycled Water Dist Construction

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.51	1000sqft	0.65	28,512.00	0

1.2 Other Project Characteristics

UrbanizationUrbanWind Speed (m/s)2.2Precipitation Freq (Days)30

Climate Zone 8 Operational Year 2017

Utility Company Southern California Edison

 CO2 Intensity
 630.89
 CH4 Intensity
 0.029
 N20 Intensity
 0.006

 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)

1.3 User Entered Comments & Non-Default Data

Construction Phase - modified per construction schedule and equipment

Off-road Equipment - modified per construction schedule and equipment

Trips and VMT - modified per construction schedule and equipment

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	28,510.00	28,512.00
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblProjectCharacteristics	OperationalYear	2014	2017
tblTripsAndVMT	HaulingTripNumber	0.00	264.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00

CalEEMod Version: CalEEMod.2013.2.2 Page 2 of 5

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	СО	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/d	lay							lb/d	day		
2017	0.4839	3.4270	2.9729	5.7000e- 003	0.0572	0.2389	0.2961	0.0155	0.2382	0.2537	0.0000	542.9002	542.9002	0.0416	0.0000	543.7747
Total	0.4839	3.4270	2.9729	5.7000e- 003	0.0572	0.2389	0.2961	0.0155	0.2382	0.2537	0.0000	542.9002	542.9002	0.0416	0.0000	543.7747

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/d	day							lb/d	day		
2017	0.4839	3.4270	2.9729	5.7000e- 003	0.0572	0.2389	0.2961	0.0155	0.2382	0.2537	0.0000	542.9002	542.9002	0.0416	0.0000	543.7747
Total	0.4839	3.4270	2.9729	5.7000e- 003	0.0572	0.2389	0.2961	0.0155	0.2382	0.2537	0.0000	542.9002	542.9002	0.0416	0.0000	543.7747

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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

CalEEMod Version: CalEEMod.2013.2.2 Page 3 of 5

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Retrofit Work	Trenching	1/1/2017	7/4/2017	5	132	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Retrofit Work	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
	Count	Number	Number	Number	Length	Length	Length	Class	Vehicle Class	Vehicle Class
Retrofit Work	1	2.00	0.00	264.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CalEEMod Version: CalEEMod.2013.2.2 Page 4 of 5

3.2 Retrofit Work - 2017
<u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	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/d	day		
Off-Road	0.4431	2.9134	2.4908	3.9600e- 003		0.2311	0.2311		0.2311	0.2311		375.2641	375.2641	0.0396		376.0961
Total	0.4431	2.9134	2.4908	3.9600e- 003		0.2311	0.2311		0.2311	0.2311		375.2641	375.2641	0.0396		376.0961

	ROG	NOx	СО	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/d	day							lb/	day		
Hauling	0.0345	0.5055	0.3820	1.4700e- 003	0.0349	7.5900e- 003	0.0424	9.5400e- 003	6.9800e- 003	0.0165		145.8215	145.8215	1.0300e- 003		145.8432
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
Worker	6.3200e- 003	8.1400e- 003	0.1002	2.7000e- 004	0.0224	1.5000e- 004	0.0225	5.9300e- 003	1.4000e- 004	6.0700e- 003		21.8146	21.8146	9.9000e- 004		21.8354
Total	0.0408	0.5136	0.4821	1.7400e- 003	0.0572	7.7400e- 003	0.0649	0.0155	7.1200e- 003	0.0226		167.6361	167.6361	2.0200e- 003		167.6786

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/d	day							lb/d	day		
Off-Road	0.4431	2.9134	2.4908	3.9600e- 003		0.2311	0.2311		0.2311	0.2311	0.0000	375.2641	375.2641	0.0396		376.0961
Total	0.4431	2.9134	2.4908	3.9600e- 003		0.2311	0.2311		0.2311	0.2311	0.0000	375.2641	375.2641	0.0396		376.0961

	ROG	NOx	СО	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/d	day							lb/d	day		
Hauling	0.0345	0.5055	0.3820	1.4700e- 003	0.0349	7.5900e- 003	0.0424	9.5400e- 003	6.9800e- 003	0.0165		145.8215	145.8215	1.0300e- 003		145.8432
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
Worker	6.3200e- 003	8.1400e- 003	0.1002	2.7000e- 004	0.0224	1.5000e- 004	0.0225	5.9300e- 003	1.4000e- 004	6.0700e- 003		21.8146	21.8146	9.9000e- 004		21.8354
Total	0.0408	0.5136	0.4821	1.7400e- 003	0.0572	7.7400e- 003	0.0649	0.0155	7.1200e- 003	0.0226		167.6361	167.6361	2.0200e- 003		167.6786

ETWD Phase II Recycled Water Dist Construction

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.51	1000sqft	0.65	28,512.00	0

1.2 Other Project Characteristics

UrbanizationUrbanWind Speed (m/s)2.2Precipitation Freq (Days)30

Climate Zone 8 Operational Year 2017

Utility Company Southern California Edison

 CO2 Intensity
 630.89
 CH4 Intensity
 0.029
 N20 Intensity
 0.006

 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)

1.3 User Entered Comments & Non-Default Data

Construction Phase - modified per construction schedule and equipment

Off-road Equipment - modified per construction schedule and equipment

Trips and VMT - modified per construction schedule and equipment

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	28,510.00	28,512.00
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblProjectCharacteristics	OperationalYear	2014	2017
tblTripsAndVMT	HaulingTripNumber	0.00	264.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00

CalEEMod Version: CalEEMod.2013.2.2 Page 2 of 5

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	СО	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	Year Ib/day												lb/d	day		
2017	0.4864	3.4451	3.0259	5.6900e- 003	0.0572	0.2389	0.2961	0.0155	0.2383	0.2537	0.0000	541.3971	541.3971	0.0417	0.0000	542.2719
Total	0.4864	3.4451	3.0259	5.6900e- 003	0.0572	0.2389	0.2961	0.0155	0.2383	0.2537	0.0000	541.3971	541.3971	0.0417	0.0000	542.2719

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	/ear Ib/day												lb/d	day		
2017	0.4864	3.4451	3.0259	5.6900e- 003	0.0572	0.2389	0.2961	0.0155	0.2383	0.2537	0.0000	541.3971	541.3971	0.0417	0.0000	542.2719
Total	0.4864	3.4451	3.0259	5.6900e- 003	0.0572	0.2389	0.2961	0.0155	0.2383	0.2537	0.0000	541.3971	541.3971	0.0417	0.0000	542.2719

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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

CalEEMod Version: CalEEMod.2013.2.2 Page 3 of 5

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Retrofit Work	Trenching	1/1/2017	7/4/2017	5	132	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Retrofit Work	Air Compressors	1	8.00	78	0.48

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
Ret	rofit Work	1	2.00	0.00	264.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

CalEEMod Version: CalEEMod.2013.2.2 Page 4 of 5

3.2 Retrofit Work - 2017

Unmitigated Construction On-Site

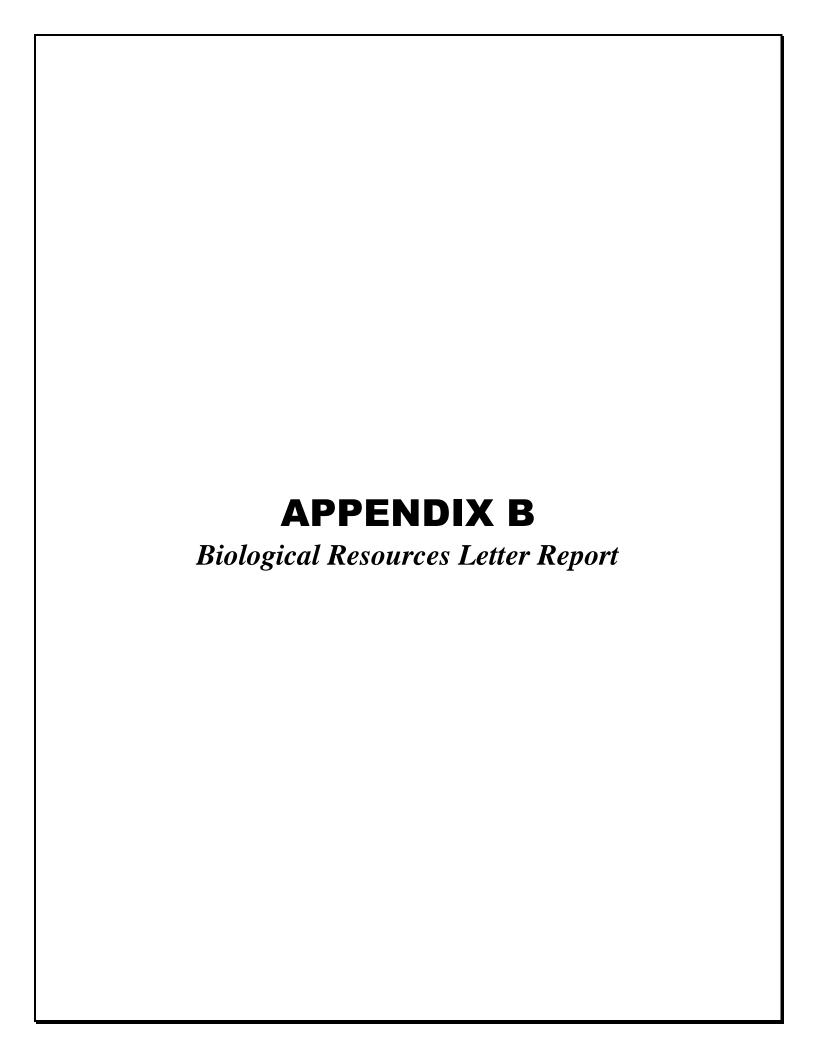
	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Off-Road	0.4431	2.9134	2.4908	3.9600e- 003		0.2311	0.2311		0.2311	0.2311		375.2641	375.2641	0.0396		376.0961
Total	0.4431	2.9134	2.4908	3.9600e- 003		0.2311	0.2311		0.2311	0.2311		375.2641	375.2641	0.0396		376.0961

	ROG	NOx	СО	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/d	day		
Hauling	0.0367	0.5227	0.4411	1.4700e- 003	0.0349	7.6000e- 003	0.0425	9.5400e- 003	6.9900e- 003	0.0165		145.4736	145.4736	1.0500e- 003		145.4956
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
Worker	6.6400e- 003	8.9500e- 003	0.0941	2.6000e- 004	0.0224	1.5000e- 004	0.0225	5.9300e- 003	1.4000e- 004	6.0700e- 003		20.6594	20.6594	9.9000e- 004		20.6802
Total	0.0434	0.5317	0.5352	1.7300e- 003	0.0572	7.7500e- 003	0.0650	0.0155	7.1300e- 003	0.0226		166.1331	166.1331	2.0400e- 003		166.1758

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/d	day							lb/d	day		
Off-Road	0.4431	2.9134	2.4908	3.9600e- 003		0.2311	0.2311		0.2311	0.2311	0.0000	375.2641	375.2641	0.0396		376.0961
Total	0.4431	2.9134	2.4908	3.9600e- 003		0.2311	0.2311		0.2311	0.2311	0.0000	375.2641	375.2641	0.0396		376.0961

	ROG	NOx	СО	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	0.0367	0.5227	0.4411	1.4700e- 003	0.0349	7.6000e- 003	0.0425	9.5400e- 003	6.9900e- 003	0.0165		145.4736	145.4736	1.0500e- 003		145.4956
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
Worker	6.6400e- 003	8.9500e- 003	0.0941	2.6000e- 004	0.0224	1.5000e- 004	0.0225	5.9300e- 003	1.4000e- 004	6.0700e- 003		20.6594	20.6594	9.9000e- 004		20.6802
Total	0.0434	0.5317	0.5352	1.7300e- 003	0.0572	7.7500e- 003	0.0650	0.0155	7.1300e- 003	0.0226		166.1331	166.1331	2.0400e- 003		166.1758





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September 3, 2015 8840

Dennis Cafferty
Assistant General Manager/District Engineer
El Toro Water District Offices
24251 Los Alisos Blvd.
Lake Forest, California 92630

Subject: Biological Resources Assessment for the El Toro Water District Phase II Recycled Water Distribution System Expansion Project, Orange County, California

Dear Mr. Cafferty:

This letter report documents the results of a biological resources assessment for the El Toro Water District (ETWD) Phase II Recycled Water Distribution System Expansion Project (project) located in Orange County, California.

This letter report is intended to: (1) describe the existing conditions of biological resources within the project study area in terms of vegetation, flora, wildlife, and wildlife habitats; (2) discuss potential impacts to biological resources that would result from development of the project; and (3) project design features to minimize potential impacts to special-status biological resources, if necessary.

1 INTRODUCTION

1.1 Project Location and Description

The proposed project is located within an existing ETWD service area in the southwestern portion of the City of Laguna Woods, Orange County, California (Figure 1). The proposed project consists of two areas. The first is northwest of El Toro Road and is generally bounded by Via Carrizo, Monte Hermoso, and Via Buena Vista. The second is north of El Toro Road and Paseo De Valencia west of Avenida De La Carlota. The proposed project consists of approximately 5.4 miles of 4-inch to 10-inch pipelines within existing residential roadways. The site lies within the U.S. Geological Survey (USGS) 7.5-minute map, San Juan Capistrano Quadrangle, Section 31 and 32, Township 6 South, Range 8 West; Principal Meridian: San Bernardino (Figure 2).

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ETWD currently provides domestic water; recycled water; and sanitary sewer collection, treatment, and disposal services to a population of nearly 50,000 in a 5,430-acre service area that includes portions of the Cities of Aliso Viejo, Lake Forest, Laguna Hills, and Mission Viejo, and all of the City of Laguna Woods. The proposed project would expand the Recycled Water Distribution System to allow for the delivery of additional tertiary-treated, recycled water to existing irrigation customers within the ETWD service area. The proposed Distribution System would be supplied by the existing Tertiary Treatment Plant. The proposed pipelines all occur within existing paved roadways.

2 METHODS

Dudek evaluated the biological resources within the construction footprint of the new pipelines, plus a 500-foot buffer (the study area; Figure 3). Data regarding biological resources present within the study area were obtained through a review of pertinent literature and field reconnaissance; both are described in detail as follows.

2.1 Literature Review

For purposes of this report, listed species are those plant or wildlife species that are listed as threatened or endangered by either the California or federal Endangered Species Act. Special-status plants include listed species, candidates for listing, and species designated with a California Rare Plant Rank by the California Native Plant Society (CNPS). Special-status wildlife species include listed species, candidates for listing, and species with a designation from the California Department of Fish and Wildlife (CDFW) of Watch List, Fully Protected, or Species of Concern (CDFW 2015).

Other special-status biological resources include vegetation communities that are considered to support unique stands, are of particular value to special-status plant or wildlife species, or have a rank of S1–S3 on the CDFW's List of Terrestrial Communities (CDFW 2010). Unique vegetation communities include habitats found only in the region, local representatives of species not generally found in Orange County, or outstanding examples of CDFW special-status vegetation communities. Additionally, riparian areas, wetlands, bays, estuaries, and marshes; and wildlife corridors are generally considered special-status biological resources.

Prior to conducting the field reconnaissance, a literature review was conducted to identify special-status biological resources present or potentially present within the vicinity of the study area using the following sources: U.S. Fish and Wildlife Service (USFWS) Critical Habitat and Occurrence Data (2015); California Natural Diversity Database (CNDDB) (CDFW 2015a-c);

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and CNPS's *Online Inventory of Rare and Endangered Vascular Plants* (CNPS 2015). Dudek also queried the CNDDB and CNPS for special-status resources within the San Juan Capistrano USGS 7.5-minute quadrangles, plus the eight surrounding quadrangle maps (CDFW 2015a-c; CNPS 2015). The quadrangles queried include San Juan Capistrano, San Clemente, Dana Point, Laguna Beach, Tustin, Canada, Gobernadora, Santiago Peak, and Lake Forest.

2.2 Field Reconnaissance

The study area was surveyed by Dudek Biologist Danielle Mullen on March 18, 2015 to identify existing biological resources and potential biological constraints within the study area. The project footprint and a 500-foot buffer of the proposed project were evaluated in the field to identify suitable habitat areas for potentially occurring sensitive species. Due to the developed nature of the site, a vegetation community map was not prepared. All plant and wildlife species detected during the survey were recorded.

Latin names follow the *Jepson Interchange List of Currently Accepted Names of Native and Naturalized Plants of California* (Jepson Flora Project 2013), and common names follow the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service Plants Database (USDA 2013). Latin and common names for plant species with a California Rare Plant Rank (CRPR) (formerly CNPS List) follow the CNPS online *Inventory of Rare, Threatened, and Endangered Plants of California* (CNPS 2015). Latin and common names for wildlife species follow Crother (2012) for reptiles and amphibians, American Ornithologists' Union (AOU 2012) for birds, Wilson and Reeder (2005) for mammals, and Emmel and Emmel (1973) for butterflies.

3 PHYSICAL CHARACTERISTICS

3.1 Environmental Setting

The project site is located within existing private paved roadways within the City of Laguna Woods in the Laguna Woods Village community. All proposed work will occur within existing paved roadways of the residential development. The impact footprint is within Residential Community District Zoning Designation and comprised of single- and multifamily development, parks, and other community facilities (City of Laguna Woods 2010, 2011). The Laguna Coast Wilderness Park located immediately west of the project footprint and within the 500-foot buffer, is zoned as Open Space-Passive District (City of Laguna Woods 2010, 2011).

Mr. Dennis Cafferty

Subject: Biological Resources Assessment for the El Toro Water District Phase II Recycled Water Distribution System Expansion Project, Orange County, California

Topography/Hydrology

The project study area is mostly hilly terrain with elevations on site range between 320 to 550 feet above mean sea level (amsl). According to the National Hydrology Dataset, there is one intermittent stream depicted within the 500-foot buffer location just south of the intersection of El Toro Road and Aliso Creek Road (USGS 2014). The San Juan Capistrano 7.5-minute quadrangle map also shows two historic "blue-line streams" in this general vicinity southeast of El Toro Road, which has since be converted to residential and ornamental land covers.

Soils

As discussed above, the proposed project will occur within existing developed roadways, there are virtually no native soils present. The study area is mapped as historically containing seven soil series: Alo variant clay, Balcom clay loam, Bonsanko clay, Botella clay loam, Calleguas clay loam, Capistrano sandy loam, Chino silty clay loam, Cropley clay, Myford sandy loam, and Soper-Rock outcrop complex (NRCS 2015).

4 RESULTS

4.1 Vegetation Communities

The proposed impact footprint is located entirely on existing roadways and developed areas; no natural vegetation communities are present within the impact footprint. Although the pipelines would occur within existing roadway, there is vegetation typical of urban residential areas, including ornamental trees and shrubs including pepper trees, eucalyptus, and pines and sycamores. These residential trees have potential for nesting birds; however, they are exposed to high levels of traffic flow.

There are no sensitive habitats within the proposed impact footprint; however, the study area (500-foot buffer around impact footprint) supports coastal sage scrub within Laguna Coast Wilderness Park. Although not considered a special-status vegetation community, coastal sage scrub provides habitat for several special-status plant and wildlife species, as well as nesting and breeding habitat for birds. No direct impacts will occur in this area.

4.2 Special-Status Plant Species

No special-status plant species were identified within the study area during the reconnaissance survey conducted on March 18, 2015. A total of 17 vascular plant species, including 11 native species (65%) and 6 non-native species (35%), were recorded during the survey (Appendix A).



Subject: Biological Resources Assessment for the El Toro Water District Phase II Recycled Water Distribution System Expansion Project, Orange County, California

The proposed impact footprint is entirely restricted to developed roadways within a residential community. Therefore, it is unexpected for any special-status plant species to occur within the impact footprint. There is potential for special-status plants to occur within the coastal sage scrub that occurs within the 500-foot buffer in the Laguna Coast Wilderness Park. However, no impacts will occur in this area. There is no U.S. Fish and Wildlife Service (USFWS) designated critical habitat for listed plant species within the study area (USFWS 2015).

Table 1 lists special-status plant species documented in the literature review and their potential to occur on site. 'On site' exclusively refers to the proposed impact footprint. Due to the lack of suitable habitat within the impact footprint no special-status plant species have the potential to occur on site.

Table 1
Sensitive Plant Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status¹ Federal/ State	CRPR	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Status On site or Potential to Occur
Aphanisma blitoides	aphanisma	None/ None	1B.2	Coastal bluff scrub, coastal dunes, coastal scrub; annual herb/ March–June/ <1,000 ft.	Not expected. No suitable habitat on site.
Artemisia palmeri	San Diego sagewort	None/None	4.2	Chaparral, Coastal scrub, Riparian forest, Riparian scrub, Riparian woodland/sandy, mesic/ perennial deciduous shrub/ (Feb),May-Sep/ 49-3002 ft.	Not expected. No suitable habitat on site.
Asplenium vespertinum	western spleenwort	None/None	4.2	Chaparral, Cismontane woodland, Coastal scrub/rocky/ perennial rhizomatous herb/ Feb- Jun/ 591-3281 ft.	Not expected. No suitable habitat on site.
Atriplex coulteri	Coulter's saltbush	None/ None	1B.2	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland; alkaline or clay/ perennial herb/ March- October/ 10–1,500 ft.	Not expected. Site is developed/disturbed.
Atriplex pacifica	South Coast saltscale	None/ None	1B.2	Coastal bluff scrub, coastal dunes, coastal scrub, playas/ annual herb/ March–October/ < 500 ft.	Not expected. No coastal dunes on site.
Atriplex parishii	Parish's brittlescale	None/None	1B.1	Chenopod scrub, Playas, Vernal pools/alkaline/April–October/ 30–600 ft.	Not expected. No vernal pools on site.
Atriplex serenana var. davidsonii	Davidson's saltscale	None/ None	1B.2	Coastal bluff scrub, coastal scrub; alkaline/ annual herb/ April-October/ 30–650 ft.	Not expected. No coastal scrub on site.

Table 1
Sensitive Plant Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status¹ Federal/ State	CRPR	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Status On site or Potential to Occur
Brodiaea filifolia	thread-leaved brodiaea	FT/ SE	1B.1	Chaparral (openings) cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools; often clay/ bulbiferous herb/ March- June/ 400–2,800 ft.	Not expected. No suitable habitat on site.
Calochortus catalinae	Catalina mariposa lily	None/None	4.2	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland/ perennial bulbiferous herb/ (Feb),Mar-Jun/ 49-2297 ft.	Not expected. No suitable habitat on site.
Calochortus weedii var. intermedius	intermediate mariposa lily	None/None	1B.2	Chaparral, Coastal scrub, Valley and foothill grassland/rocky, calcareous/ May–July/ 340–2800 ft.	Not expected. No suitable habitat on site.
Camissonia lewisii	Lewis's evening primrose	None/ None	3	Coastal bluff scrub, cismontane woodland, coastal dunes, coastal scrub, valley and foothill grassland; sandy or clay/ annual herb/ March–May (June)/<1,000 ft.	Not expected. No coastal dunes on site.
Caulanthus simulans	Payson's jewel- flower	None/None	4.2	Chaparral, Coastal scrub/sandy, granitic/ annual herb/ (Feb),Mar- May(Jun)/ 295-7218	Not expected. No suitable habitat on site.
Centromadia (=Hemizonia) parryi spp. australis	Southern tarplant	None/ None	1B.1	Marshes and swamps (margins), valley and foothill grassland (vernally mesic), vernal pools/ annual herb/ May–November/ < 400 ft.	Not expected. No marshes on site.
Chaenactis glabriuscula var. orcuttiana	Orcutt's pincushion	None/ None	1B.1	Coastal bluff scrub, coastal dunes/ annual herb/ January– August/ 10–330 ft.	Not expected. No suitable vegetation.
Chorizanthe leptotheca	Peninsular spineflower	None/None	4.2	Chaparral, Coastal scrub, Lower montane coniferous forest/alluvial fan, granitic/ annual herb/ May-Aug/ 984-6234 ft.	Not expected. No suitable habitat on site.
Chorizanthe polygonoides var. longispina	long-spined spineflower	None/ None	1B.2	Chaparral, coastal scrub, meadows and seeps, valley and foothill grassland; often clay/ annual herb/ April–July/ 100– 5,000 ft.	Not expected. No suitable habitat on site.

Table 1
Sensitive Plant Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status ¹ Federal/ State	CRPR	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Status On site or Potential to Occur
Cistanthe maritima	seaside cistanthe	None/None	4.2	Coastal bluff scrub, Coastal scrub, Valley and foothill grassland/sandy/ annual herb/ (Feb),Mar-Jun(Aug)/ 16-984 ft.	Not expected. No suitable habitat on site.
Clinopodium chandleri	San Miguel savory	None/None	1B.2	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland, Valley and foothill grassland/Rocky, gabbroic or metavolcanic/ March-July/ 400–3,500 ft.	Not expected. No suitable habitat on site.
Comarostaphylis diversifolia ssp. diversifolia	summer-holly	None/ None	1B.2	Chaparral, cismontane woodland/ evergreen shrub/ April–June/100–1,800 ft.	Not expected. No suitable vegetation on site.
Convolvulus simulans	small-flowered morning-glory	None/None	4.2	Chaparral(openings), Coastal scrub, Valley and foothill grassland/clay, serpentinite seeps/ annual herb/ Mar-Jul/ 98-2297 ft.	Not expected. No suitable habitat on site.
Deinandra paniculata	paniculate tarplant	None/None	4.2	Coastal scrub, Valley and foothill grassland, Vernal pools/usually vernally mesic, sometimes sandy/ annual herb/ Apr-Nov/ 82-3084 ft.	Not expected. No suitable habitat on site.
Dichondra occidentalis	western dichondra	None/None	4.2	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland/ perennial rhizomatous herb/ (Jan),Mar-Jul/ 164-1640 ft.	Not expected. No suitable habitat on site.
Dodecahema leptoceras	slender-horned spineflower	FE/SE	1B.1	Chaparral, Cismontane woodland, Coastal scrub(alluvial fan)/sandy/ April–June/ 660– 2,500 ft.	Not expected. Outside of known elevation range.
Dudleya blochmaniae spp. blochmaniae	Blochman's dudleya	None/ None	1B.1	Chaparral, coastal bluff scrub, coastal scrub, valley and foothill grassland, rocky; often clay or serpentinite/ perennial herb/ April–June/ 15–1,500 ft.	Not expected. No suitable rocky habitat present.
Dudleya cymosa ssp. ovatifolia	Santa Monica dudleya	FT/None	1B.2	Chaparral, Coastal scrub/volcanic or sedimentary, rocky/ March–June/ 500–5,500 ft.	Not expected. No suitable habitat on site.

Table 1
Sensitive Plant Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status ¹ Federal/ State	CRPR	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Status On site or Potential to Occur
Dudleya multicaulis	many-stemmed dudleya	None/ None	1B.2	Chaparral, coastal scrub, valley and foothill grassland; often clay/perennial herb/ April–July/ 50–2,600 ft.	Not expected. No coastal scrub on site.
Dudleya stolonifera	Laguna Beach dudleya	FT/ST	1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland/rocky/ May–July/ 30–850 ft.	Not expected. No coastal scrub on site.
Dudleya viscida	sticky dudleya	None/ None	1B.2	Coastal bluff scrub, chaparral, coastal scrub; rocky/ perennial herb/ May–June/ 30–1,800 ft.	Not expected. No suitable rocky habitat.
Eryngium pendletonense	Pendleton button-celery	None/ None	1B.1	Coastal bluff scrub, valley and foothill grassland, vernal pools; clay, vernally mesic/ perennial herb/ April–June/ 50–360 ft.	Not expected. No suitable vegetation.
Euphorbia misera	cliff spurge	None/ None	2.2	Coastal bluff scrub, coastal scrub, Mojavean desert scrub; rocky/ shrub/ December-August/ 30–1,650 ft.	Not expected. No coastal scrub on site.
Harpagonella palmeri	Palmer's grapplinghook	None/ None	4.2	Chaparral, coastal scrub, valley and foothill grassland; clay/ annual herb/ March–May/ 60–3,100 ft.	Not expected. No coastal scrub on site.
Helianthus nuttallii ssp. parishii	Los Angeles sunflower	None/None	1A	Coastal salt marsh, wetland- riparian/ August-October/ 30– 5,500 ft.	Presumed extinct in California (CNPS)
Hesperocyparis forbesii	Tecate cypress	None/None	1B.1	Closed-cone coniferous forest, Chaparral/clay, gabbroic or metavolcanic/ 260–4,900 ft.	Not expected, no suitable habitat on site.
Hordeum intercedens	vernal barley	None/None	3.2	Coastal dunes, Coastal scrub, Valley and foothill grassland(saline flats and depressions), Vernal pools/ March-June/ 15–3,300 ft.	Not expected, no suitable habitat on site.
Horkelia cuneata ssp. puberula	mesa horkelia	None/None	1B.1	Chaparral(maritime), Cismontane woodland, Coastal scrub/sandy or gravelly/ February–July/ 200–2,600 ft.	Not expected, no suitable habitat on site.

Table 1
Sensitive Plant Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status ¹ Federal/ State	CRPR	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Status On site or Potential to Occur
Imperata brevifolia	California satintail	None/None	2.1	Chaparral, Coastal scrub, Mojavean desert scrub, Meadows and seeps(often alkali), Riparian scrub/mesic/ September–May/ 0–4,000 ft.	Not expected, no suitable habitat on site.
Isocoma menziesii var. decumbens	decumbent goldenbush	None/ None	1B.2	Chaparral, coastal scrub (sandy, often disturbed areas)/ shrub/ April-November/ 30–450 ft.	Not expected. No coastal scrub on site.
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	None/ None	1B.1	Saltwater marsh and swamps, playas, vernal pools/ annual herb/ February–June/ <4,000 ft.	Not expected. No marshes/vernal pools on site and site is largely disturbed.
Lepechinia cardiophylla	heart-leaved pitcher sage	None/ None	1B.2	Chaparral, cismontane woodland, closed-cone coniferous forest; perennial shrub/ April–June/ 1,700–4,500 ft.	Not expected. Outside of known elevation range.
Lepidium virginicum var. robinsonii	Robinson's pepper-grass	None/ None	1B.2	Chaparral, coastal scrub/ annual herb/ January–July/ < 2,900 ft.	Not expected. No suitable habitat on site.
Lycium brevipes var. hassei	Santa Catalina Island desert- thorn	None/None	1B.1	Coastal bluff scrub, Coastal scrub/ June/ 30–980 ft.	Not expected. No coastal scrub on site.
Lycium californicum	California box- thorn	None/None	4.2	Coastal bluff scrub, Coastal scrub/ perennial shrub/ (Dec),Mar-Aug/ 16-492 ft.	Not expected. No suitable habitat on site.
Malacothrix saxatilis var. saxatilis	cliff malacothrix	None/None	4.2	Coastal bluff scrub, Coastal scrub/ perennial rhizomatous herb/ Mar-Sep/ 10-656 ft.	Not expected. No suitable habitat on site.
Microseris douglasii ssp. platycarpha	small-flowered microseris	None/None	4.2	Cismontane woodland, Coastal scrub, Valley and foothill grassland, Vernal pools/clay/annual herb/ Mar-May/ 49-3510 ft.	Not expected. No suitable habitat on site.
Mimulus clevelandii	Cleveland's bush monkeyflower	None/None	4.2	Chaparral, Cismontane woodland, Lower montane coniferous forest/Gabbroic, often in disturbed areas, openings, rocky/ perennial rhizomatous herb/ Apr-Jul/ 1476-6562 ft.	Not expected. No suitable habitat on site.

Table 1
Sensitive Plant Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status¹ Federal/ State	CRPR	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Status On site or Potential to Occur
Mimulus diffusus	Palomar monkeyflower	None/None	4.2	Chaparral, Lower montane coniferous forest/sandy or gravelly/ annual herb/ Apr-Jun/ 4003-6004 ft.	Not expected. No suitable habitat on site.
Monardella hypoleuca ssp. intermedia	intermediate monardella	None/None	4.2	Chaparral, Cismontane woodland, Lower montane coniferous forest(sometimes)/Usually understory/ perennial rhizomatous herb/ Apr-Sep/ 1312-4101 ft.	Not expected. No suitable habitat on site.
Monardella hypoleuca ssp. lanata	felt-leaved monardella	None/ None	1B.2	Chaparral, cismontane woodland/ rhizomatous herb/ June-August/ 1,000–3,600 ft.	Not expected. Outside of known elevation range.
Monardella macrantha ssp. hallii	Hall's monardella	None/None	1B.3	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland/ June–October/ 2,400–7,200 ft.	Not expected. Outside of known elevation range.
Myosurus minimus ssp. apus	little mousetail	None/ None	3.1	Vernal pools, valley and foothill grassland; alkaline/ annual herb/ March–June/ 60–2,100 ft.	Not expected. No suitable vernal pools or grassland habitat.
Nama stenocarpum	mud nama	None/ None	2.2	Marshes and swamps, lake margins, riverbanks/ annual-perennial herb/ January–July/ 15–1,650 ft.	Not expected. Site is largely disturbed and no marshes.
Navarretia prostrata	prostrate navarretia	None/ None	1B.1	Coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools; annual herb/ April–July/ 50–3,970 ft.	Not expected. No seeps on site.
Nolina cistmontana	chaparral nolina	None/ None	1B.2	Chaparral, coastal scrub; sandstone or gabbro/ evergreen shrub/ May–July/ 460–4,200 ft.	Not expected. No suitable habitat on site.
Pentachaeta aurea ssp. allenii	Allen's pentachaeta	None/None	1B.1	Coastal scrub(openings), Valley and foothill grassland/ March– June/ 250–1,700 ft.	Not expected. No coastal scrub on site.
Phacelia keckii	Santiago Peak phacelia	None/None	1B.3	Closed-cone coniferous forest, Chaparral/ May–June/ 1,800– 5,300 ft.	Not expected. Outside of known elevation range.

Table 1
Sensitive Plant Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status¹ Federal/ State	CRPR	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Status On site or Potential to Occur
Phacelia ramosissima var. austrolitoralis	south coast branching phacelia	None/None	3.2	Chaparral, Coastal dunes, Coastal scrub, Marshes and swamps(coastal salt)/sandy, sometimes rocky/ March– August/ 15–1,000 ft.	Not expected, no suitable habitat on site.
Piperia cooperi	chaparral rein orchid	None/None	4.2	Chaparral, Cismontane woodland, Valley and foothill grassland/ perennial herb/ Mar- Jun/ 49-5200 ft.	Not expected. No suitable habitat on site.
Piperia leptopetala	narrow-petaled rein orchid	None/None	4.3	Cismontane woodland, Lower montane coniferous forest, Upper montane coniferous forest/ perennial herb/ May-Jul/ 1247-7300 ft.	Not expected. No suitable habitat on site.
Polygala cornuta var. fishiae	Fish's milkwort	None/None	4.3	Chaparral, Cismontane woodland, Riparian woodland/ perennial deciduous shrub/ May- Aug/ 328-3281 ft.	Not expected. No suitable habitat on site.
Pseudognaphalium leucocephalum	white rabbit- tobacco	None/None	2.2	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland/sandy, gravelly/ July–August/ 0–6,900 ft.	Not expected. No coastal scrub on site.
Quercus dumosa	Nuttall's scrub oak	None/ None	1B.1	Chaparral, coastal scrub, closed- cone coniferous forest; sandy, clay loam/ evergreen shrub/ February-April/ 50–1,300 ft.	Not expected. No coastal scrub on site.
Romneya coulteri	Coulter's matilija poppy	None/None	4.2	Chaparral, Coastal scrub/Often in burns/ perennial rhizomatous herb/ Mar-Jul/ 66-3937 ft.	Not expected. No suitable habitat on site.
Senecio aphanactis	chaparral ragwort	None/None	2.2	Chaparral, Cismontane woodland, Coastal scrub/sometimes alkaline/ January–April/ 50–2,600 ft.	Not expected. No coastal scrub on site.
Sidalcea neomexicana	salt spring checkerbloom	None/None	2.2	Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Playas/alkaline, mesic/ March– June/ 50–5,000 ft.	Not expected. No coastal scrub on site.
Suaeda esteroa	estuary seablite	None/ None	1B.2	Coastal salt marshes and swamps/ perennial herb/ May– October (Jan)/ < 20 ft.	Not expected. Site is largely disturbed.

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Table 1
Sensitive Plant Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status¹ Federal/ State	CRPR	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Status On site or Potential to Occur
Suaeda taxifolia	woolly seablite	None/None	4.4	Coastal bluff scrub, Coastal dunes, Marshes and swamps(margins of coastal salt)/ perennial evergreen shrub/ Jan-Dec/ 0-164 ft.	Not expected. No suitable habitat on site and outside of known elevation range.
Symphyotrichum defoliatum	San Bernardino aster	None/None	1B.2	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Meadows and seeps, Marshes and swamps, Valley and foothill grassland(vernally mesic)/near ditches, streams, springs/ July– November/ 6–6,700 ft.	Not expected. No suitable habitat on site.
Tetracoccus dioicus	Parry's tetracoccus	None/ None	1B.2	Chaparral, coastal scrub/ deciduous shrub/ April–May/ 550–3,300 ft.	Not expected. Outside of known elevation range.
Verbesina dissita	big-leaved crownbeard	FT/ST	1B.1	Chaparral(maritime), Coastal scrub/ April–June/ 150–670 ft.	Not expected. No coastal scrub on site.
Viguiera laciniata	San Diego County viguiera	None/None	4.2	Chaparral, Coastal scrub/ perennial shrub/ Feb-Jun(Aug)/ 197-2461 ft.	Not expected. No suitable habitat on site.

¹ Regulatory Status (CDFW 2015; CNPS 2015).

Federal Designations:

FE: Species listed as endangered by USFWS FT: Species listed as threatened by USFWS

State Designations:

ST: State threatened

SE: State endangered

San Diego Multiple Species Conservation Program:

Covered: MSCP Covered Species

CRPR:

California Rare Plant Rank (CRPR)

- 1A: Plants presumed extinct in California
- 1B: Plants rare, threatened, or endangered in California and elsewhere
- 2: Plants rare, threatened, or endangered in California, but more common elsewhere
- 3: Plants about which we need more information-a review list
- 4: Plants of limited distribution-a watch list

CBR: Considered but Rejected

Threat Ranks:

- 0.1: Seriously threatened in California (high degree/immediacy of threat)
- 0.2: Fairly threatened in California (moderate degree/immediacy of threat)
- 0.3: Not very threatened in California (low degree/immediacy of threats or no current threats known)



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4.3 Special-Status Wildlife Species

No special-status wildlife species were identified within the project footprint during the reconnaissance survey conducted on March 18, 2015. However, one special-status wildlife species, the federally threatened coastal California gnatcatcher (*Polioptila californica californica*), was observed within the 500-foot buffer around the project area (Figure 3). One male California gnatcatcher was observed and heard signing within the coastal sage scrub on the Laguna Coast Wilderness Park. There is moderate potential for monarch butterflies (*Danaus plexippus*) to occur on site due to the number of eucalyptus trees, which are used as cluster sites for overwintering. Although monarch butterflies do not have any regulatory designation and are not special-status species, a discussion of their potential to occur and potential impacts is included in this report as they tend to be of interest to local residents.

There is no USFWS designated critical habitat for listed wildlife species within the study area (USFWS 2015).

Twenty wildlife species were observed during the survey, including common bird species such as Bewick's wrens (*Thryomanes bewickii*), Anna's hummingbird (*Calypte anna*), and house finches (*Carpodacus mexicanus*). A full list of wildlife species observed during the survey is provided in Appendix B.

Table 2 lists special-status wildlife species documented in the literature review and their potential to occur on site. 'On site' exclusively refers to the proposed impact footprint. Due to the lack of suitable habitat within the impact footprint no special-status wildlife species have the potential to occur on site. Where pertinent, a distinction is made between foraging and breeding habitat available on site.

Table 2
Sensitive Wildlife Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status Federal/ State/Other¹	Primary Habitat Associations	Status on Site or Potential to Occur
		A	Amphibians	
Anaxyrus [=Bufo] californicus	arroyo toad	FE/ SSC	Stream channels for breeding (typically 3rd order); adjacent stream terraces and uplands for foraging and wintering	Not expected to occur. No aquatic areas for breeding grounds on site.
Spea [=Scaphiopus] hammondi	western spadefoot	BLM / SSC	Most common in grasslands, coastal sage scrub near rain pools or vernal pools; riparian habitats	Not expected to occur. No aquatic areas for breeding grounds on site.

Table 2
Sensitive Wildlife Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status Federal/ State/Other ¹	Primary Habitat Associations	Status on Site or Potential to Occur
Taricha torosa	Coast Range newt	None/SSC	Chaparral, wetlands and grasslands	Not expected to occur. No aquatic areas for breeding grounds on site.
			Reptiles	
Aspidoscelis hyperythra	orange- throated whiptail	None/ SSC	Coastal sage scrub, chaparral, grassland, juniper and oak woodland	Not expected to occur. No suitable coastal sage scrub present.
Aspidoscelis tigris stejnegeri	coastal western whiptail	None/ None	Coastal sage scrub, chaparral	Not expected to occur. No suitable coastal sage scrub present.
Charina [=Lichanura] trivirgata	rosy boa	None/ None	Rocky chaparral, coastal sage scrub, oak woodlands, desert and semi-desert scrub	Not expected to occur. No rocky habitats occur on site.
Crotalus ruber ruber	northern red- diamond rattlesnake	None/ SSC	Variety of shrub habitats where there is heavy brush, large rocks, or boulders	Not expected to occur. No rocky habitats occur on site.
Emys [=Clemmys] marmorata pallida	southwestern pond turtle	BLM/ SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, reservoirs with emergent basking sites; adjacent uplands used during winter	Not expected to occur. No aquatic areas for breeding grounds on site.
Lampropeltis zonata (pulchra)	California mountain kingsnake (San Diego population)	FS/SSC	Valley foothill, riparian and wet meadows, conifer, mixed and montane chaparral	Not expected to occur. No suitable habitat present on site.
Phrynosoma blainvillei	coast horned lizard	BLM, FS/ SSC	Coastal sage scrub, annual grassland, chaparral, oak and riparian woodland, coniferous forest	Not expected to occur. No suitable coastal sage scrub present.
Plestiodon skiltonianus interparietalis	Coronado skink	BLM/ SSC	Grassland, riparian and oak woodland; found in litter, rotting logs, under flat stones	Not expected to occur. No suitable vegetation on site.
Salvadora hexalepis virgultea	coast patch- nosed snake	None/ SSC	Brushy or shrubby vegetation; requires small mammal burrows for refuge and overwintering sites	Not expected to occur. No suitable vegetation on site.
Thamnophis hammondii	two-striped garter snake	BLM, FS/ SSC	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools	Not expected to occur. No aquatic areas for breeding grounds on site.

Table 2
Sensitive Wildlife Species Detected or Potentially Occurring On Site

		Ctatus		
Scientific Name	Common Name	Status Federal/ State/Other¹	Primary Habitat Associations	Status on Site or Potential to Occur
			Birds	
Accipiter cooperii (nesting)	Cooper's hawk	None/ WL	Riparian and oak woodlands, montane canyons	Not expected to nest on site. No suitable woodlands or canyons.
Agelaius tricolor	tricolored blackbird	BCC, BLM/ SSC/ ABC	Nests near fresh water, emergent wetland with cattails or tules; forages in grasslands, woodland, agriculture	Not expected to occur. No suitable wetlands present on site.
Aimophila ruficeps canescens	Southern California rufous- crowned sparrow	None / WL	Grass-covered hillsides, coastal sage scrub, chaparral with boulders and outcrops	Not expected to occur. No coastal sage scrub habitat on site.
Ammodramus savannarum	grasshopper sparrow	None/ SSC	Open grassland and prairie, especially native grassland with a mix of grasses and forbs	Not expected to occur. No grassland habitat on site.
Aquila chrysaetos (nesting and nonbreeding/winteri ng)	golden eagle	BCC/ CDF, WL, FP	Open country, especially hilly and mountainous regions; grassland, coastal sage scrub, chaparral, oak savannas, open coniferous forest	Not expected to nest or winter on site. Limited and disturbed vegetation on site with few trees.
Asio otus	long-eared owl	None/ SSC	Riparian, live oak thickets, other dense stands of trees, edges of coniferous forest	Not expected on site. Limited and disturbed vegetation on site with few trees.
Athene cunicularia	burrowing owl	BLM, BCC/ SSC	Grassland, lowland scrub, agriculture, coastal dunes and other artificial open areas	Not expected. Habitat disturbed/developed on site.
Buteo regalis	ferruginous hawk	BCC/ WL	Winters and forages in open, dry country, grasslands, open fields, agriculture	Not expected to occur. No suitable vegetation on site.
Campylorhynchus brunneicapillus sandiegensis (San Diego and Orange Counties only)	coastal cactus wren	BCC, FS/ SSC	Southern cactus scrub, maritime succulent scrub, cactus thickets in coastal sage scrub	Not expected. No suitable cactus or succulent scrub habitat.
Circus cyaneus (nesting)	northern harrier	None/ SSC	Open wetlands (nesting), pasture, old fields, dry uplands, grasslands, rangelands, coastal sage scrub	Not expected. No suitable wetlands on site.
Elanus leucurus (nesting)	white-tailed kite	None/ FP	Open grasslands, savanna-like habitats, agriculture, wetlands, oak woodlands, riparian	Not expected on site. No suitable open habitat, wetlands, and riparian vegetation present.

Table 2
Sensitive Wildlife Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status Federal/ State/Other¹	Primary Habitat Associations	Status on Site or Potential to Occur
Empidonax traillii extimus (nesting)	southwestern willow flycatcher	FE/ SE/ ABC	Riparian woodlands along streams and rivers with mature, dense stands of willows or alders; may nest in thickets dominated by tamarisk	Not expected to occur. No riparian habitat on site.
Eremophila alpestris actia	California horned lark	None/ WL	Open habitats, grassland, rangeland, shortgrass prairie, montane meadows, coastal plains, fallow grain fields	Not expected. No grassland on site.
Icteria virens (nesting)	yellow- breasted chat	None / SSC	Dense, relatively wide riparian woodlands and thickets of willows, vine tangles and dense brush.	Not expected. No dense willow thicket on site.
Laterallus jamaicensis coturniculus	California black rail	BCC/ ST, P/ ABC	Saline, brackish, and fresh emergent wetlands	Not expected. No marsh wetland vegetation on site
Passerculus sandwichensis beldingi	Belding's savannah sparrow	None/ SE	Saltmarsh, pickleweed	Not expected to occur due to no southern coastal saltmarsh on site.
Polioptila californica californica	Coastal California gnatcatcher	FT/ SSC/ ABC	Coastal sage scrub, coastal sage scrub-chaparral mix, coastal sage scrub-grassland ecotone, riparian in late summer	Not expected. No coastal sage scrub on site. One male was observed singing within coastal sage outside the project impact footprint but inside the 500-foot buffer.
Rallus longirostris levipes	Ridgeway's clapper rail	FE/ SE, P/ ABC	Coastal saltmarsh	Not expected. No saltmarsh on site.
Sternula [=Sterna] antillarum browni (nesting colony)	California least tern	FE/ SE, P/ ABC	Coastal waters, estuaries, large bays and harbors, mudflats; nests on sandy beaches	Not expected. Site is approximately 5 miles from the coast.
Vireo bellii pusillus (nesting)	least Bell's vireo	FE/ SE/ ABC	Nests in southern willow scrub with dense cover within 1–2 meters of the ground; habitat includes willows, cottonwoods, baccharis, wild blackberry or mesquite on desert areas	Not expected. No dense willow scrub on site.
			Mammals	
Antrozous pallidus	pallid bat	BLM, FS/ SSC/ WBWG	Rocky outcrops, cliffs, and crevices with access to open habitats for foraging	Not expected. No suitable rocky outcrops, cliffs, and crevices.
Chaetodipus californicus femoralis	Dulzura pocket mouse	None/ SSC	Coastal sage scrub, chaparral, riparian-scrub ecotone; more mesic areas	Not expected to occur. No suitable coastal sage scrub habitat on site.

Table 2
Sensitive Wildlife Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status Federal/ State/Other¹	Primary Habitat Associations	Status on Site or Potential to Occur
Chaetodipus fallax fallax	northwestern San Diego pocket mouse	None/ SSC	Coastal sage scrub, grassland, sage scrub-grassland ecotones, sparse chaparral; rocky substrates, loams and sandy loams	Not expected to occur. No suitablecoastal sage scrub on site.
Choeronycteris mexicana	Mexican long- tongued bat	None/ SSC/ WBWG	Desert and montane riparian, desert succulent scrub, desert scrub, and pinyon-juniper woodland. Roosts in caves, mines, and buildings.	Not expected. No suitable vegetation or roosting structures/microhabitat.
Dipodomys stephensi	Stephens' kangaroo rat	FE/ ST	Open habitat, grassland, sparse coastal sage scrub, sandy loam and loamy soils with low clay content; gentle slopes (<30%)	Not expected to occur. No suitable habitat on site.
Eumops perotis californicus	western mastiff bat	BLM/ SSC/ WBWG	Roosts in small colonies in cracks and small holes, seeming to prefer man-made structures	No suitable roosting structures/microhabitat.
Lasiurus blossevillii	western red bat	FS/ SSC/ WBWG	Prefers edges or habitat mosaics with access to trees for roosting and open areas for feeding.	No suitable roosting structures/microhabitat.
Myotis yumanensis	Yuma myotis	BLM/ None/ WBWG	Closely tied to open water which is used for foraging; open forests and woodlands are optimal habitat	Not expected. No suitable forests and woodlands on site.
Neotoma lepida intermedia	San Diego desert woodrat	None/ SSC	Coastal sage scrub, chaparral, pinyon-juniper woodland with rock outcrops, cactus thickets, dense undergrowth	Not expected. No suitable desert habitats with dense undergrowth present.
Nyctinomops femorosaccus	pocketed free- tailed bat	None/ SSC/ WBWG	Rocky desert areas with high cliffs or rock outcrops	Not expected. No suitable rocky desert habitat.
Perognathus longimembris pacificus	Pacific pocket mouse	FE/ SSC	Grassland, coastal sage scrub with sandy soils; along immediate coast	Not expected. Site not located along the immediate coast.
Sorex ornatus salicornicus	southern California saltmarsh shrew	None/SSC	Coastal salt marshes and wetland habitat	Not expected. No saltmarsh on site.
Taxidea taxus	American badger	None/ SSC	Dry, open treeless areas, grasslands, coastal sage scrub	Not expected to occur. No suitable coastal sage scrub and disturbed habitat on site.

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Table 2
Sensitive Wildlife Species Detected or Potentially Occurring On Site

Scientific Name	Common Name	Status Federal/ State/Other ¹	Primary Habitat Associations	Status on Site or Potential to Occur			
	Invertebrates						
Branchinecta sandiegonensis	San Diego fairy shrimp	FE/ None	Small, shallow vernal pools, occasionally ditches and road ruts	Not expected. No vernal pools on site. Not known to occur in region.			
Coelus globosus	Globose dune beetle	None/ None	Coastal dunes	Not expected. No coastal dunes on site.			
Danaus plexippus	monarch butterfly	None/ None	Overwinters in eucalyptus groves	Moderate potential. Eucalyptus trees occur on site; however the project study area is not a known overwintering site.			
Streptocephalus woottoni	Riverside fairy shrimp	FE/ None	Deep, long-lived vernal pools, vernal pool-like seasonal ponds, stock ponds; warm water pools that have low to moderate dissolved solids	Not expected. No vernal pools on site. Not known to occur in region.			
Tryonia imitator	mimic tryonia (=California brackishwater snail)	None/ None	Coastal lagoons, estuaries and salt marshes	Not expected. No lagoons on site.			
			Fish				
Eucyclogobius newberryi	tidewater goby	FE/ SSC/ AFS E	Low-salinity waters in coastal wetlands	Not expected. No wetlands on site.			
Gila orcutti	arroyo chub	FS/ SSC/ AFS VU	Warm, fluctuating streams with slow- moving or backwater sections of warm to cool streams at depths >40 centimeters; substrates of sand or mud	Not expected. No streams on site.			
Oncorhynchus mykiss irideus	southern steelhead - southern California DPS	FE/SSC/ AFS E	Aquatic, South coast flowing waters with gravelly substrate	Not expected. No streams on site.			
Rhinichthys osculus ssp. 3	Santa Ana speckled dace	FS/SSC/ AFS TH	Aquatic, South coast flowing waters	Not expected. No streams on site.			

The federal and state status of species is based on the Special Animals List (March 2015) (CDFW 2015).

Federal Designations:

BCC Fish and Wildlife Service: Birds of Conservation Concern

(FD) Federally delisted; monitored for 5 years.

FE Federally listed as Endangered.

FT Federally listed as Threatened.

State Designations:

SSC California Species of Special Concern

P California Department of Fish and Wildlife Protected and Fully Protected Species

(SD) State-delisted.



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WL California Department of Fish and Wildlife Watch List

Other:

AFS American Fisheries Society

EN: Endangered

TH: Threatened

VU: Vulnerable

WBWG Western Bat Working Group

- L: Species is stable globally but there may be localized conservation concerns.
- M: Species warrants closer evaluation, research, and conservation actions
- H: Species are imperiled or are at high risk of imperilment

4.4 Wildlife Corridors and Habitat Linkages

Wildlife corridors are linear features that connect large patches of natural open space and provide avenues for the migration of animals. Habitat linkages are small patches that join larger blocks of habitat and help reduce the adverse effects of habitat fragmentation; they may be continuous habitat or discrete habitat islands that function as stepping stones for wildlife dispersal.

Due to the developed nature of the impact footprint, there are no wildlife corridors within the impact footprint. Within 500 feet of the project impact footprint is the Laguna Coast Wilderness Park which contains a large block of open space intended for maintaining wildlife movement throughout the region.

4.5 Nesting Birds

The study area contains many trees and shrubs that could potentially be used by migratory birds for breeding. Nesting habitat occurs within the 500-foot buffer which overlaps the Laguna Coast Wilderness Park and within the residential areas surrounding the impact footprint.

4.6 Jurisdictional Waters

The project impact footprint contains no jurisdictional waters, including wetlands, regulated by the U.S. Army Corps of Engineers, the California Regional Water Quality Control Board, or CDFW. There is potential for jurisdictional areas to occur outside the impact footprint, but within the 500-foot buffer. However, jurisdictional areas outside the impact footprint were not evaluated because there will be no direct impacts to these areas.

4.7 Regional Conservation Plans

The study area is located within the boundaries of the County of Orange Central and Coastal Subregion Natural Communities Conservation Plan (NCCP)/Habitat Conservation Plan (HCP). ETWD is not a participating landowner under this plan and the project is not subject to the provisions of the plan.



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5 ANTICIPATED PROJECT IMPACTS

This section addresses direct and indirect impacts to biological resources that would result from implementation of the proposed project.

Direct Impacts

For the purposes of this assessment, direct impacts were quantified by evaluating resources within the impact footprint of the proposed project, which is confined to existing roadways within a residential area.

Indirect Impacts

Indirect impacts result primarily from adverse edge effects, and may be short-term in nature, related to construction; or long-term in nature, associated with development in proximity to biological resources within natural open space. For the proposed project, it is assumed that the potential indirect impacts resulting from short-term construction activities include dust and noise that may temporarily disrupt species and habitat vitality.

5.1 Special-Status Vegetation Communities

Direct Impact

No special-status vegetation communities occur within the impact footprint. The pipeline footprint is within existing roadways adjacent to the Laguna Coast Wilderness Park. It is assumed that all construction activities would be limited to the road and no native vegetation would be removed. Therefore, no direct impacts to a special-status vegetation communities would occur.

Indirect Impact

Indirect impacts would be limited to short-term construction impacts related to noise and dust. With respect to these potential indirect impacts, however, all project grading will be subject to the typical restrictions (e.g., best management practices) and requirements that address erosion and runoff, including those of the federal Clean Water Act and National Pollution Discharge Elimination System (NPDES), and preparation of a Storm Water Pollution Prevention Plan (SWPPP). With implementation of these best management practices and permit conditions, potential indirect impacts to the sensitive habitat would be less than significant.

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5.2 Special-Status Plant Species

Direct Impact

No special-status plant species have the potential to occur within the impact footprint due to the lack of suitable habitat; therefore, no direct impacts to special-status plant species are anticipated. There is suitable habitat within the Laguna Coast Wilderness Park, however, it is assumed that construction activities would be limited to the road and no special-status plants would be impacted.

Indirect Impacts

Because no special-status species have the potential to occur in the impact footprint, no indirect impacts to special-status plant species are anticipated.

5.3 Special-Status Wildlife Species

Direct Impacts

Special-status wildlife species are not expected to occur based on the lack of suitable habitat within the impact footprint; therefore, no direct impacts to special-status wildlife are expected. The only species with moderate potential to occur is the monarch butterfly, due to the surrounding eucalyptus trees. However, because the trees will be unaffected by the project, there would be no direct impacts to the monarch butterfly. There is suitable habitat within the Laguna Coast Wilderness Park, however, it is assumed that construction activities would be limited to the road and no special-status wildlife species would be impacted.

Indirect Impacts

Coastal sage scrub located within the 500-foot buffer supports occupied habitat for the coastal California gnatcatcher. However, due to the proximity of the proposed work within an urban setting and an existing, baseline level of disturbance, indirect impacts to the gnatcatcher are not expected. No other special-status wildlife species have the potential to occur within the study area; therefore, no indirect impacts would occur.

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5.4 Nesting Birds

Direct Impacts

Direct impacts to migratory nesting birds must be avoided to comply with the Migratory Bird Treaty Act. The project would be limited to existing developed roadways and no removal of trees or other nesting habitat would occur; therefore, direct impacts to nesting birds are not expected.

Indirect Impacts

Nesting birds can be significantly affected by indirect impacts from short-term construction-related noise, resulting in decreased reproductive success or abandonment of an area as nesting habitat. The Laguna Coast Wilderness Park and surrounding residences have trees and other shrubs that could provide potential nesting and foraging habitat for a variety of songbirds and raptors in the area. While no active or inactive nests were identified during the survey in March 2015, the survey was conducted early in the breeding season and there is potential for birds to nest in these areas. Indirect impacts from construction-related noise may occur to nesting birds if construction occurs during the breeding season (i.e., February 15 through September 1).

5.5 Jurisdictional Waters

Direct Impact

It is assumed that all construction activities would be limited to the road; therefore, no direct impacts to jurisdictional waters would occur.

Indirect Impact

Indirect impacts would be limited to short-term construction impacts related to construction runoff and dust. All project grading will be subject to the typical restrictions (e.g., best management practices) and requirements that address erosion and runoff, including those of the federal Clean Water Act and NPDES, and preparation of an SWPPP. With implementation of these best management practices and permit conditions, potential indirect impacts to jurisdictional waters are not anticipated.

5.6 Regional Conservation Plans

The study area is within the Central and Coastal NCCP/HCP, but not within a designated conservation area (i.e., Reserve). Additionally, the study area does not support suitable habitat for listed species and, therefore, does not have any permit obligations under the California or

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federal Endangered Species Acts. The project is not in conflict with the County of Orange Central and Coastal NCCP/HCP.

6 PROJECT DESIGN FEATURE

To avoid potential impacts to nesting birds in conformance with the Migratory Bird Treaty Act and California Fish and Game Code (CFGC), a qualified biologist shall conduct a nesting bird survey within 1 week of ground-disturbing activities. The survey shall consist of full coverage of the proposed project footprint and an appropriate buffer, as determined by the biologist. If no occupied nests are found, no additional measures would be required. If nests are found being used for breeding or rearing young by a native bird, the nest locations shall be mapped by the biologist using Global Positioning System (GPS) equipment. The species of the nesting bird and, to the degree feasible, the nesting stage (e.g., incubation of eggs, feeding of young, near fledging) shall be documented. The biologist may establish an avoidance buffer around occupied nests if there is a significant potential for take of the species or potential for needless destruction of the nest. The buffer shall be determined by the biologist based on the species present, surrounding habitat, and existing environmental setting/level of disturbance. No construction or ground-disturbing activities shall be conducted within the buffer until the biologist has determined that the nest is no longer being used for breeding or rearing, and has informed the construction supervisor that activities may resume.

7 CONCLUSION

Based on our review of biological resources in the study area, with implementation of the project design feature, no significant impacts to biological resources would occur as a result of the project.

Should you have any questions regarding this biological assessment, please do not hesitate to contact me at 949.373.8321 or at rhenry@dudek.com.

Sincerely,

Ryan Henry Senior Biologist

Att: Figures 1–3

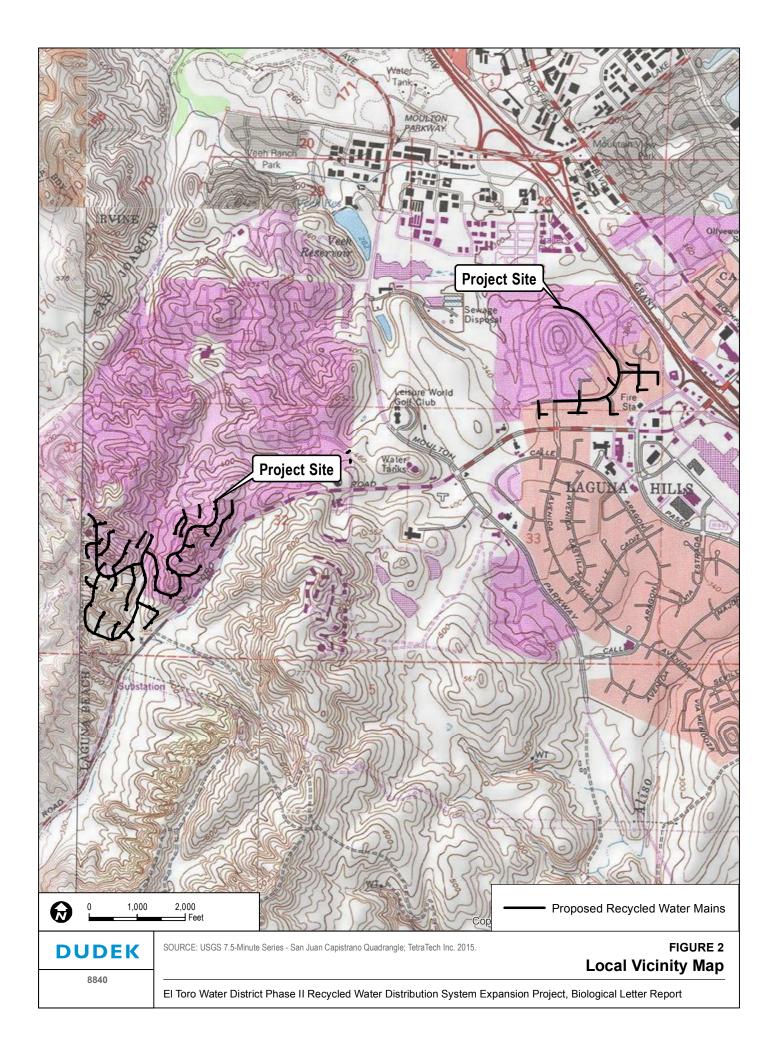
Appendix A Plant Species Observed within the Study Area Appendix B Wildlife Species Observed within the Study Area

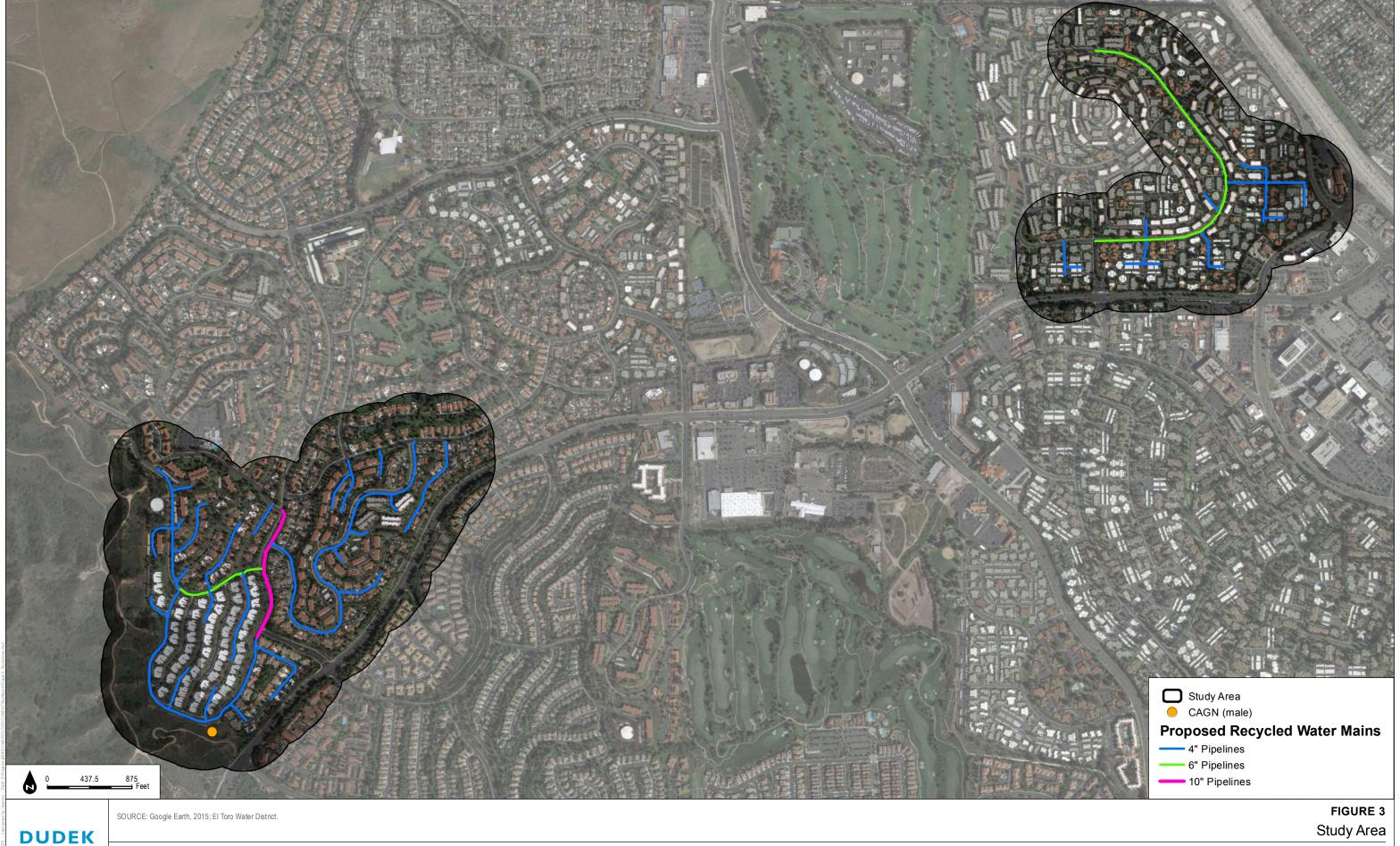
8 REFERENCES

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- Mr. Dennis Cafferty
- Subject: Biological Resources Assessment for the El Toro Water District Phase II Recycled Water Distribution System Expansion Project, Orange County, California
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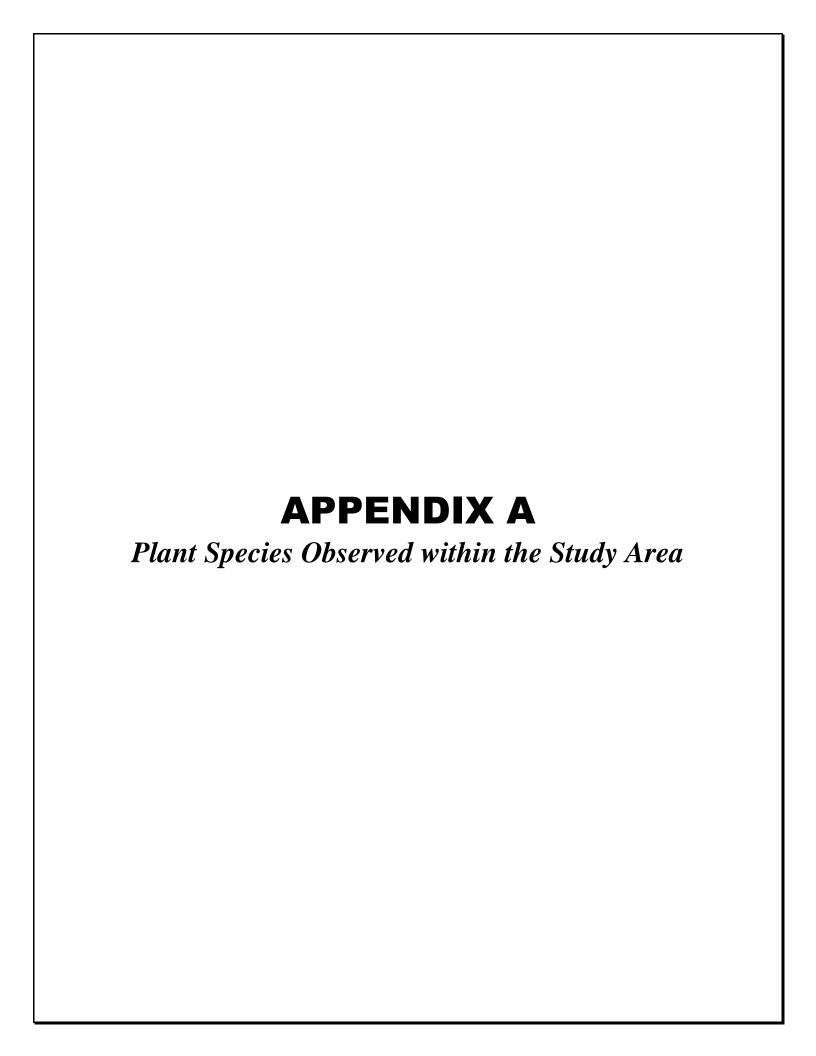






El Toro Water District Phase II Recycled Water Distribution System Expansion Project, Biological Letter Report

Study Area



APPENDIX A Plant Species Observed within the Study Area

VASCULAR PLANT SPECIES

CONIFERS

PINACEAE – PINE FAMILY

Pinus sp. - Pine

ANGIOSPERMS (DICOTS)

ANACARDIACEAE – SUMAC FAMILY

Malosma laurina – laurel sumac

- * Schinus molle Peruvian pepper tree
- * Schinus terebinthifolius Brazilian pepper tree

ASTERACEAE – SUNFLOWER FAMILY

Artemisia californica – coastal sagebrush

BORAGINACEAE – BORAGE FAMILY

Phacelia parryi – coastal sagebrush

CACTACEAE - CACTUS FAMILY

Opuntia littoralis— coastal pricklypear

CUCURBITACEAE - GOURD FAMILY

Marah macrocarpa – Cucamonga manroot

CONVULVULACEAE – MORNING-GLORY FAMILY

Cuscuta californica – chaparral dodder

FABACEAE – LEGUME FAMILY

Acmispon glaber – deerweed

LAMIACEAE – MINT FAMILY

Salvia mellifera – black sage

MYRTACEAE - MYRTLE FAMILY

- * Eucalyptus citriodora lemonscented gum
- * Eucalyptus cladocalyx sugargum
- * *Melaleuca citrinus* crimson bottlebrush



APPENDIX A (Continued)

PHRYMACEAE - LOPSEED FAMILY

Mimulus aurantiacus – orange bush monkeyflower

PLATANACEAE – SYCAMORE FAMILY

Platanus racemosa – western sycamore

POLYGONACEAE – BUCKWHEAT FAMILY

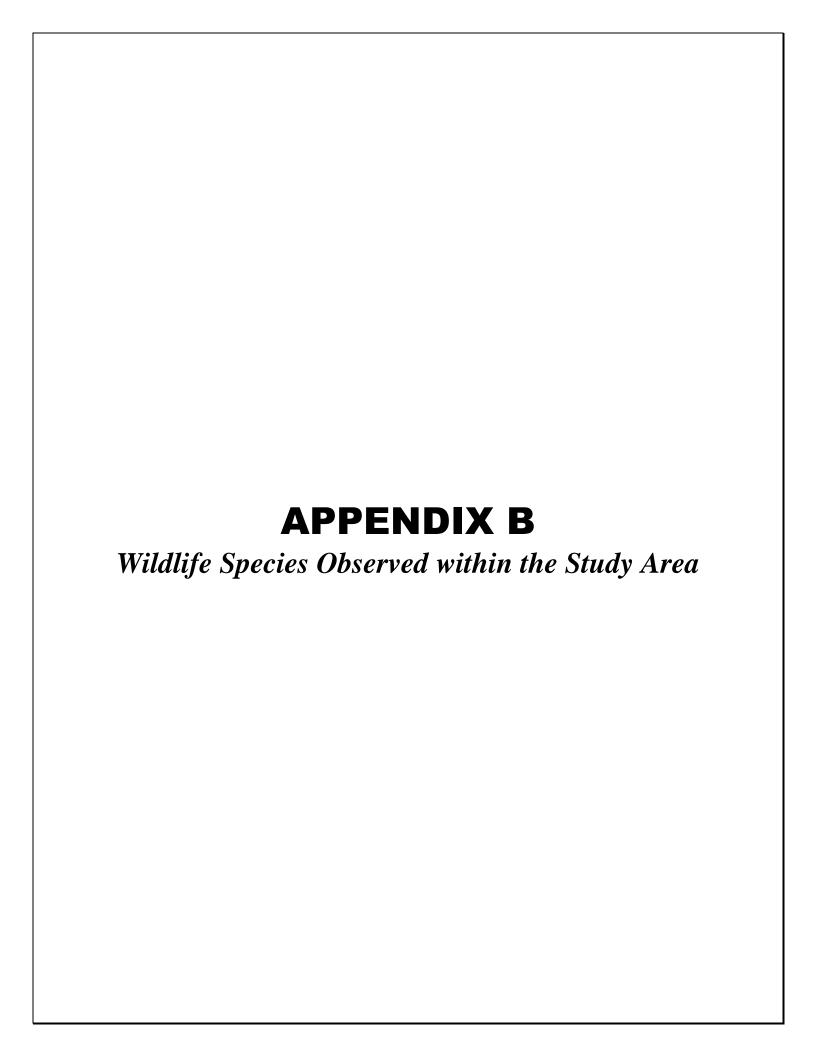
Eriogonum fasciculatum – California buckwheat

ANGIOSPERMS (MONOCOTS)

ARECACEAE - PALM FAMILY

- * Syagrus romanzoffiana queen palm
- * Signifies introduced (non-native) species





APPENDIX B Wildlife Species Observed within the Study Area

WILDLIFE SPECIES – VERTEBRATES

BIRDS

ACCIPITRIDAE – HAWKS, KITES, EAGLES

Psaltriparus minimus – red-tailed hawk

AEGITHALIDAE – BUSHTITS

Psaltriparus minimus – bushtit

BOMBYCILLIDAE - WAXWINGS

Bombycilla cedrorum - cedar waxwing

COLUMBIDAE - PIGEONS AND DOVES

Zenaida macroura - mourning dove

CORVIDAE – JAYS AND CROWS

Geococcyx californianus – greater roadrunner

CUCULIDAE – CUCKOOS, ROADRUNNERS, AND ANIS

Corvus brachyrhynchos – American crow

EMBERIZIDAE – BUNTINGS AND SPARROWS

Melozone crissalis – California towhee
Piplio maculatus – spotted towhee
Zonotrichia leucophrys – white-crowned sparrow

FRINGILLIDAE – FINCHES

Carpodacus mexicanus – house finch

ODONTOPHORIDAE - NEW WORLD QUAIL

Callipepla californica - California quail

PICIDAE – WOODPECKERS

Colaptes auratus – northern flicker Melanerpes formicivorus – acorn woodpecker

SYLVIIDAE-SYLVIID WARBLERS

Polioptila californica – California gnatcatcher



APPENDIX B (Continued)

TROCHILIDAE – HUMMINGBIRDS

Calypte anna – Anna's hummingbird Selasphous sasin – Allen's hummingbird

TROGLODYTIDAE – WRENS

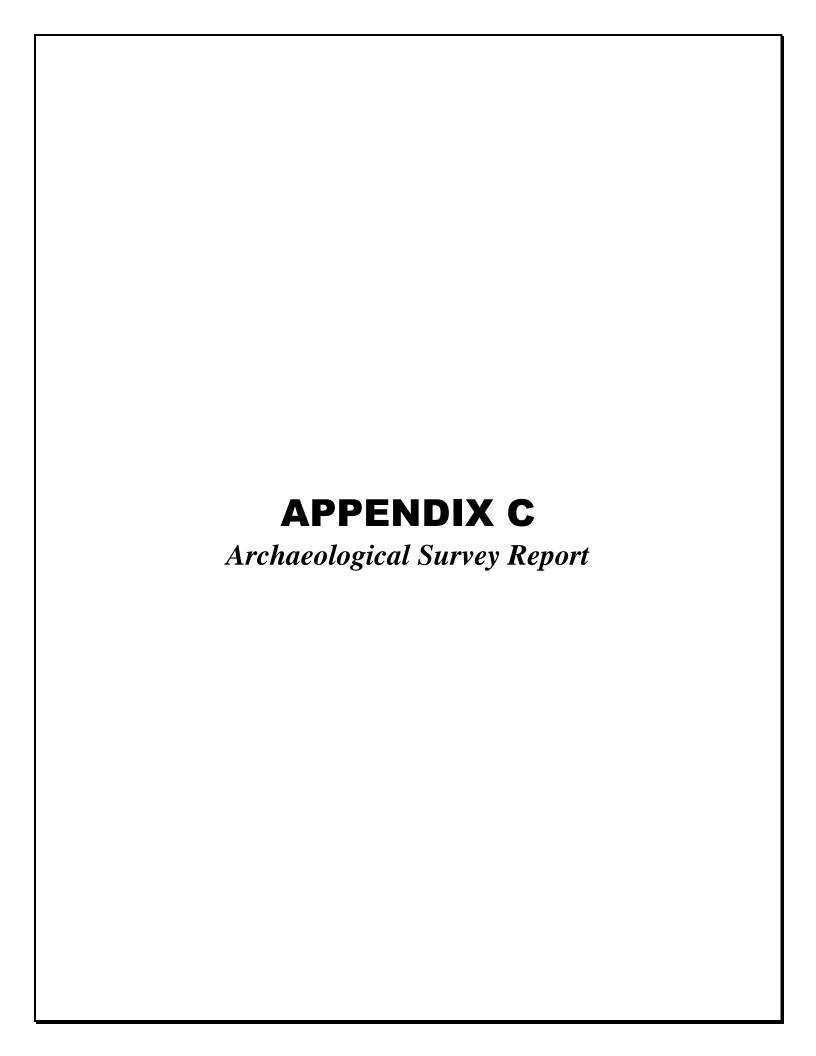
Thryomanes bewickii – Bewick's wren

TURDIDAE – THRUSHES AND BABBLERS

Catharus guttatus – hermit thrush Turdus migratorius – American robin

TYRANNIDAE - TYRANT FLYCATCHERS

Sayornis nigricans – black phoebe





MAIN OFFICE 605 THIRD STREET ENCINITAS, CALIFORNIA 92024 T 760.942.5147 T 800.450.1818 F 760.632.0164

September 19, 2015

Mr. Dennis Cafferty Assistant General Manager/District Engineer El Toro Water District 24251 Los Alisos Boulevard Lake Forest, California 92630

Subject: Cultural Resources Inventory for the El Toro Water District Phase II
Recycled Water Distribution System Expansion Project - Negative Findings,
Orange County, CA

Dear Mr. Cafferty:

This letter documents the negative cultural resources inventory conducted by Dudek for the El Toro Water District Phase II Recycled Water Distribution System Expansion Project (Project), located in Laguna Woods, Orange County (Figure 1). The cultural resources inventory includes the results from the Tertiary Treatment Plant and Recycled Water Distribution System Expansion Project, of which the current project is an extension and reflects the same general conditions concerning cultural resources. The El Toro Water District (ETWD) is the lead agency responsible for compliance with the California Environmental Quality Act (CEQA) and Section 106 of the National Historic Preservation Act (NHPA). All cultural resource fieldwork and reporting for this project has been conducted by Adam Giacinto, RPA, who meets the Secretary of the Interior's Professional Qualifications Standards. A South Central Coastal Information Center (SCCIC) records search indicated that no cultural resources have been recorded within the area of potential effects (APE). A Native American Heritage Commission (NAHC) Sacred Lands File (SLF) search did not suggest the presence of any Native American cultural resources. Subsequent Native American outreach letters for the Phase II expansion project has yet to yield any responses. An intensive pedestrian survey conducted of the APE and surrounding area did not identify cultural resources, and observations of this area (consisting entirely of paved roads with existing subsurface utilities) is not likely to support the presence of intact cultural deposits.

PROJECT DESCRIPTION AND LOCATION

The proposed project is located within an existing ETWD service area in the southwestern portion of the City of Laguna Woods, Orange County, California (Figure 1). The proposed project consists of two areas. The first is northwest of El Toro Road and is generally bounded by Via Carrizo, Monte Hermoso, and Via Buena Vista. The second is north of El Toro Road and Paseo De Valencia west of Avenida De La Carlota. The proposed project consists of approximately 5.4 miles of 4-inch to 10-inch pipelines within existing residential roadways. The area falls within the following PLSS area: Township 6S/ Range 8W - Section 31; San Juan Capistrano, CA 1:24,000 USGS map (Figure 2).

ETWD currently provides domestic water; recycled water; and sanitary sewer collection, treatment, and disposal services to a population of nearly 50,000 in a 5,430-acre service area that includes portions of the Cities of Aliso Viejo, Lake Forest, Laguna Hills, and Mission Viejo, and all of the City of Laguna Woods. The proposed project would expand the Recycled Water Distribution System to allow for the delivery of additional tertiary-treated, recycled water to existing irrigation customers within the ETWD service area. The proposed Distribution System would be supplied by the existing Tertiary Treatment Plant. The proposed pipelines all occur within existing paved roadways.

The proposed Phase II Recycled Water Distribution System Expansion project would include the construction of approximately 28,500 feet or 5.4 miles of recycled water pipelines beneath existing roadways. The pipelines would range in size from 4 to 10 inches, depending on the location. The pipelines would require excavation depths of 5 to 7 feet within the existing roadways. There are existing utilities within these roadways at approximately 8 feet in depth. Based on this project description, the horizontal area of potential effects (APE) for the Project is 30 feet x 28,500 feet (5.4 miles), as represented by the width of the existing road and length of recycled water pipeline that would be constructed. The vertical APE will be less than 15 feet below the road surface, and is represented by the maximum depth of excavation.

REGULATORY FRAMEWORK

ETWD is seeking a loan from the Clean Water State Revolving Fund (CWSRF) Program administered by the State Water Resources Control Board (SWRCB), Division of Financial Assistance. As required by SWRCB, the "CEQA-Plus" process requires evaluation of impacts to resources, including archaeological and built-environment resources, through both state and federal regulatory frameworks.

National Historic Preservation Act

The NHPA established the National Register of Historic Places (NRHP) and the President's Advisory Council on Historic Preservation (ACHP), and provided that states may establish State Historic Preservation Officers (SHPOs) to carry out some of the functions of the NHPA. Most significantly for federal agencies responsible for managing cultural resources, Section 106 of the NHPA directs that "[t]he head of any Federal agency having direct or indirect jurisdiction over a proposed Federal or federally assisted undertaking in any State and the head of any Federal department or independent agency having authority to license any undertaking shall, prior to the approval of the expenditure of any Federal funds on the undertaking or prior to the issuance of any license, as the case may be, take into account the effect of the undertaking on any district, site, building, structure, or object that is included in or eligible for inclusion in the NRHP." Section 106 also affords the ACHP a reasonable opportunity to comment on the undertaking (16 USC 470f).

36 Code of Federal Regulations, Part 800 (36 CFR 800) implements Section 106 of the NHPA. It defines the steps necessary to identify historic properties (those cultural resources listed in or eligible for listing in the NRHP), including consultation with federally recognized Native American tribes to identify resources with important cultural values; to determine whether or not they may be adversely affected by a proposed undertaking; and the process for eliminating, reducing, or mitigating the adverse effects.

The content of 36 CFR 60.4 defines criteria for determining eligibility for listing in the NRHP. The significance of cultural resources identified during an inventory must be formally evaluated for historic significance in consultation with the California SHPO to determine if the resources are eligible for inclusion in the NRHP. Cultural resources may be considered eligible for listing if they possess integrity of location, design, setting, materials, workmanship, feeling, and association. The criteria for determining eligibility are essentially the same in content and order as those outlined under the California Environmental Quality Act (CEQA), but the criteria under NHPA are labeled A through D (rather than 1-4 under CEQA).

Regarding criteria A through D of Section 106, the quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, cultural resources, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and that:

- A. are associated with events that have made a significant contribution to the broad patterns of our history; or
- B. are associated with the lives of persons significant in our past; or



- C. embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- D. have yielded or may be likely to yield, information important in prehistory or history [36 CFR 60.4].

The current cultural resources inventory is not designed to generate enough data to make eligibility recommendations on previously recorded cultural resources that are outside of the project area, or newly discovered cultural resources; such determinations are typically made during a subsequent evaluation phase (e.g., excavations at prehistoric sites). However, the survey was designed to generate enough information to provide informal assessments of eligibility to help guide management considerations.

California Environmental Quality Act

CEQA requires that all private and public activities not specifically exempted be evaluated for the potential to impact the environment, including effects to historical resources (including historical-era and prehistoric archaeological resources and built-environment resources). Historical resources are recognized as part of the environment under CEQA. It defines historical resources as "any object, building, structure, site, area, or place, which is historically significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (Division I, Public Resources Code, Section 5021.1(b)).

Lead agencies have a responsibility to evaluate historical resources against the California Register criteria prior to making a finding as to a proposed project's impacts to historical resources. Mitigation of adverse impacts is required if the proposed project will cause substantial adverse change. Substantial adverse change includes demolition, destruction, relocation, or alteration such that the significance of an historical resource would be impaired. While demolition and destruction are fairly obvious significant impacts, it is more difficult to assess when change, alteration, or relocation crosses the threshold of substantial adverse change. The CEQA Guidelines provide that a project that demolishes or alters those physical characteristics of an historical resource that convey its historical significance (i.e., its character-defining features) can be considered to materially impair the resource's significance.

The California Register is used in the consideration of historic resources relative to significance for purposes of CEQA. The California Register includes resources listed in, or formally determined eligible for some California State Landmarks and Points of Historical Interest.

Properties of local significance that have been designated under a local preservation ordinance (local landmarks or landmark districts), or that have been identified in a local historical resources inventory may be eligible for listing in the California Register and are presumed to be significant resources for purposes of CEQA unless a preponderance of evidence indicates otherwise.

Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register of Historical Resources (Pub. Res. Code SS5024.1, Title 14 CCR, Section 4852), which follows the lead of 36 CFR 60.4, consisting of the following:

- 1. It is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States; or
- 2. It is associated with the lives of persons important to local, California, or national history; or
- 3. It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master, or possesses high artistic values; or
- 4. It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A "unique" archaeological resource, as defined by the California Public Resources Code Section 21083.2, may be considered significant under CEQA and, if identified, defined mitigation appropriately implemented. As used in this section, "unique archaeological resource" means an archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

- 1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
- 2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
- 3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

In the event that Native American human remains or related cultural material are encountered, Section 15064.5(e) of the state CEQA Guidelines (as incorporated from Public Resources Code section 5097.98) and Health and Safety Code Section 7050.5 define the subsequent protocol. In the event of the accidental discovery or recognition of any human remains, excavation or other disturbances shall be suspended of the site or any nearby area reasonably suspected to overlie

adjacent human remains or related material. Protocol requires that a county-approved coroner be contacted in order to determine if the remains are of Native American origin. Should the coroner determine the remains to be Native American, the coroner must contact the Native American Heritage Commission (NAHC) within 24 hours. The most likely descendent may make recommendations to the landowner or the person responsible for the excavation work, for means of treating, with appropriate dignity, the human remains and any associated grave goods as provided in Public Resources Code section 5097.98 (California Code of Regulations, Title 14; Chapter 3; Article 5; Section 15064.5(e)).

SCCIC RECORDS SEARCH

An initial records search of the project APE and the surrounding ½ mile was completed by SCCIC staff on January 3, 2012, for the Tertiary Treatment Plant and Recycled Water Distribution System Expansion Project (Phase I). A subsequent records search of the current project's APE for the (the road width and 28,500 feet of planned pipeline) and the surrounding one-mile was completed by SCCIC staff on April 1, 2015. The searches included their collection of mapped prehistoric, historical and built-environment resources, Department of Parks and Recreation (DPR) Site Records, technical reports, archival resources, and ethnographic references. Additional consulted sources included the National Register of Historic Places (NRHP), California Inventory of Historical Resources/California Register of Historic Resources (CRHR) and listed Office of Historic Preservation (OHP) Archaeological Determinations of Eligibility, California Points of Historical Interest, California Historical Landmarks, and Caltrans Bridge Survey information.

Previously Conducted Studies:

SCCIC records indicate that eighty-eight (88) previous cultural resources technical investigations have been conducted within a one-mile of the proposed alignment. Of these, seven (7) studies are known to have directly included portions of the current APE (Table 1).

Table 1. Previous technical studies that have included the APE

Author	Year	Company	Title
Comeau, Brad	2014	Dudek	Cultural Resources Monitoring Report for the Tertiary Treatment Plant and Recycled Water Distribution System Expansion Project, Laguna Hills and Laguna Woods, Orange County, California
Stone, David and Victorino, Ken	2012	Dudek	Archaeological Survey Report Tertiary Treatment Plant and Recycled Water Distribution System Expansion Project Laguna Hills and Laguna Woods, Orange County, California. Report on file at the SCCIC, CSU Fullerton.



Subject: Cultural Resources Inventory for the El Toro Water District Phase II Recycled Water Distribution System Expansion Project - Negative Findings

Author	Year	Company	Title
McCoy, Lesley C. and Kirkish, Alex N.	1982	Cultural Systems Research, Inc.	Cultural Resources Data Recovery Program for the 230kv Transmission Line Rights-of-way from San Onofre Nuclear Generating Station to Black Star Canyon and Santiago Substation to Encina and Mission Valley Substations. Cultural Resources and High Voltage Transmission Line from San Onofre to Santiago Substation and Black Star Canyon. Report on file at the SCCIC, CSU Fullerton.
McCoy, Lesley C. and Phillips Roxena	1980	Westec Services Inc.	National Register Assessment Program of Cultural Resources of the 230kv Transmission Line Rights-of-way from San Onofre Nuclear Generating Station to Black Star Canyon and Santiago Substation to Encina and Mission Valley Substations. Cultural Resources and High Voltage Transmission Line from San Onofre to Santiago Substation and Black Star Canyon. Report on file at the SCCIC, CSU Fullerton.
Lowell, Bean	1979	Cultural Systems Research, Inc.	Cultural Resources and High Voltage Transmission Line from San Onofre to Santiago Substation and Black Star Canyon. Report on file at the SCCIC, CSU Fullerton.
Desautels, Roger J.	1977	Scientific Resources Surveys, Inc.	Archaeological Survey Report on 85 (+or-) Acres of Land Located in the Laguna Hills Area of Orange County or Orange Tract No's 9610, 9611, 9612, and 9613. Report on file at the SCCIC, CSU Fullerton.
Anonymous	1976	Pacific Bioarchaeology Laboratory	The Archaeological and Paleontological Evaluation of the Sycamore Hills, Laguna Beach, California. Report on file at the SCCIC, CSU Fullerton.

The most pertinent of these studies were connected with the Tertiary Treatment Plant and Recycled Water Distribution System Expansion Project, of which the current project is an extension and reflects the same general conditions. As part of the Phase I Inventory, Stone and Victorino (2012) indicated that two archaeological sites, previously recorded in the mid-1970s, were identified through a SCCIC records search of the area. Based on intensive pedestrian survey efforts, these archaeologists observed the sites to have been previously destroyed through extensive disturbance associated with residential development (i.e., grading for roads and house pads, installation of underground utilities [sewer, water, electrical, cable], etc.). These findings were provided in the form of a technical memo to the ETWD and NAHC-listed tribal representatives. In response to a related request from Alfred Cruz, Cultural Resources Coordinator, Juaneno Band of Mission Indians, the ETWD determined that mitigation should include archaeological and Native American monitoring of project-related ground disturbance. Work for this component of the project was conducted the following year. The summary of cultural monitoring efforts (Comeau 2014) for this initial phase of the Tertiary Treatment Plant and Recycled Water Distribution System Expansion Project reported that no cultural resources were identified during monitoring of approximately 18-miles of trenching for this project conducted between August 2, 2013 and June 20, 2014.

Previously Identified Cultural Resources:

No cultural resources have been previously identified within the APE, however thirty-nine (39) sites, built-environment resources, and historic addresses have been recorded within the surrounding one-mile records search area (Confidential Appendix A). Two prehistoric sites have been recorded within 750-feet of the project alignment. CA-ORA-370, recorded and last updated in 1970, consists of a habitation site with at least one observed burial. CA-ORA-267, recorded and last updated in 1966, has been reported to include a shelter and scatter of marine shell. As no updates to these site records have been provided in the last 45-55 years (prior to GPS technology), the mapped boundaries of these sites are likely inaccurate.

Dudek reviewed historical aerials (available since 1938) and topographic maps (available since 1902). These maps and aerial photographs did not indicate the presence of historical built-environment resources within the APE.

NAHC SACRED LANDS FILE SEARCH

Dudek requested a NAHC search of their Sacred Lands File for the Tertiary Treatment Plant and Recycled Water Distribution System Expansion Project on January 2, 2012. For the current project, Dudek requested a NAHC search of their Sacred Lands File on April 3, 2015 for the present proposed project area. This search did not indicate the presence of Native American traditional cultural place(s) within this area, or the surrounding one-mile buffer (Confidential Appendix B). The NAHC additionally provided a list of Native American tribes and individuals/organizations that might have knowledge of cultural resources in this area.

TRIBAL REPRESENTATIVE CORRESPONDENCE

Following the NAHC response, letters were sent to the listed tribal representatives with the intent of requesting information, opinions or concerns relating to the proposed project impacts (Confidential Appendix B). These letters contained a brief description of the planned project, reference maps, and a summary of the NAHC SLF search results. No responses to these outreach attempts have been received to date. The lead agency will be provided with any responses should they be received from tribal representatives.

METHODS

Intensive Pedestrian Survey

Dudek Archaeologist Ken Victorino inspected all areas of the planned alignment for Phase I on January 18, 2012. No archaeological or built-environment artifacts or features were identified.



The planned alignment for the Project ran within existing paved roadways, decomposing paths, and landscaping.

Dudek Archaeologist Adam Giacinto inspected all areas of the planned alignment for Phase II on May 12, 2015. No archaeological or built-environment artifacts or features were identified. The planned alignment for the Project runs within existing paved roadways, which allowed for no direct observation of the native ground surfaces.

All areas of the APE appeared to have been previously disturbed through grading for roads and installation of underground utilities (including sewer, water, electrical, and cable). It is unlikely that intact subsurface cultural deposits or features are present within the Project area as currently designed.

SUMMARY AND MANAGEMENT CONSIDERATIONS

Dudek's Phase I cultural resources inventory of the project area suggests that there is a very low potential for the inadvertent discovery of intact cultural deposits during earth moving activities. The SCCIC records searches, NAHC Sacred Lands File searches, and cultural pedestrian surveys did not indicate that cultural resources are within the APE. All project-related earth moving will be within areas previously disturbed by road construction and installation of utilities. Previous cultural resources monitoring conducted of ground disturbances for the initial phase of this project did not encounter any unanticipated archaeological resources, nor did it appear to have much potential to do so. Based on this information, it appears that no cultural resources will be impacted (no historic properties affected) by the proposed project.

No further cultural efforts or mitigation, including cultural construction monitoring, are recommended to be necessary in support of implementation of the current project. In the unlikely event that archaeological material should be identified by project personnel during earth moving activities, work should be temporary halted, and the ETWD consulted. A qualified archaeologist will be assigned to review the unanticipated find, and evaluation efforts of this resource for NRHP and CRHR listing will be initiated in consultation with the City. Should human remains be discovered, work will halt in that area and procedures set forth in the California Public Resources Code (Section 5097.98) and State Health and Safety Code (Section 7050.5) will be followed, beginning with notification to the ETWD and County Coroner. If Native American remains are present, the County Coroner will contact the Native American Heritage Commission to designate a Most Likely Descendent, who will arrange for the dignified disposition and treatment of the remains.

Subject: Cultural Resources Inventory for the El Toro Water District Phase II Recycled Water Distribution System Expansion Project - Negative Findings

Should you have any questions relating to this report and its findings please do not hesitate to contact me directly.

Respectfully Submitted,

Adam Giacinto, MA, R.P.A.

Archaeologist

DUDEK

Office: (760) 479- 4252

Email: agiacinto@dudek.com

cc: Rachel Struglia, Dudek Micah Hale, Dudek

Att: Figure 1. Regional Map

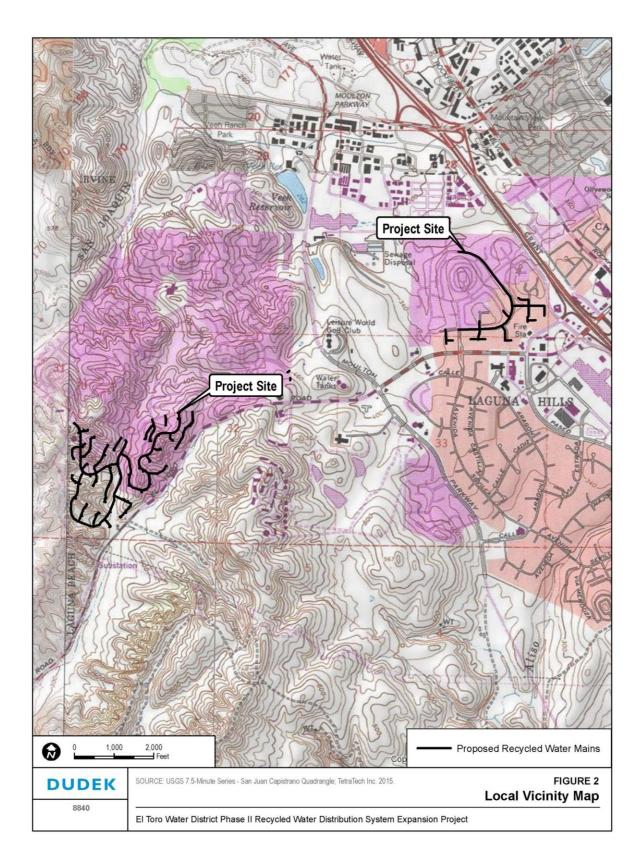
Figure 2. Vicinity Map

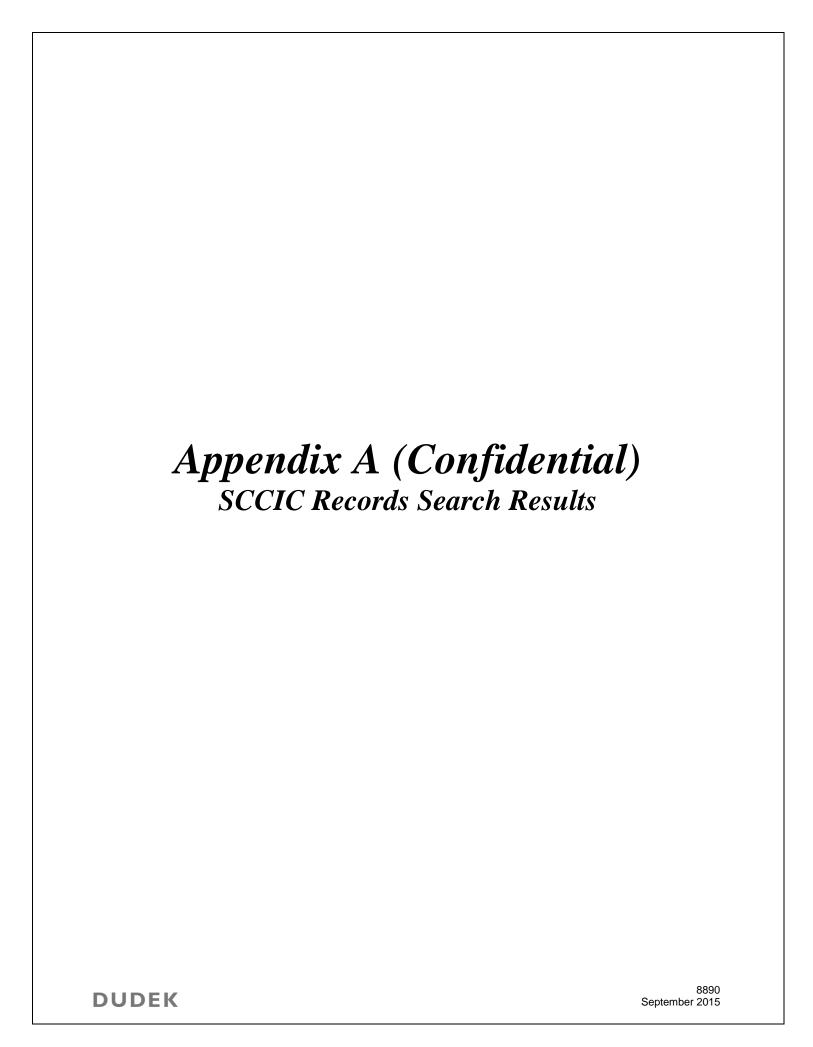
Appendix A: SCCIC Records Search Information

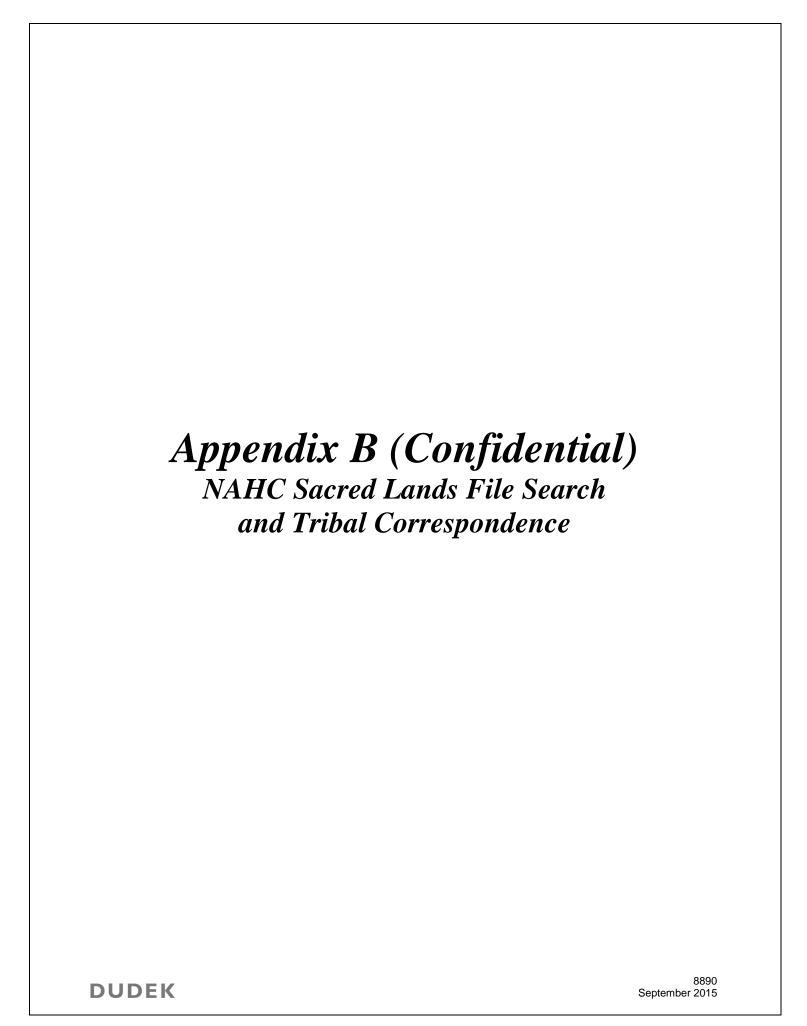
Appendix B: NAHC Search Results and Tribal Correspondence

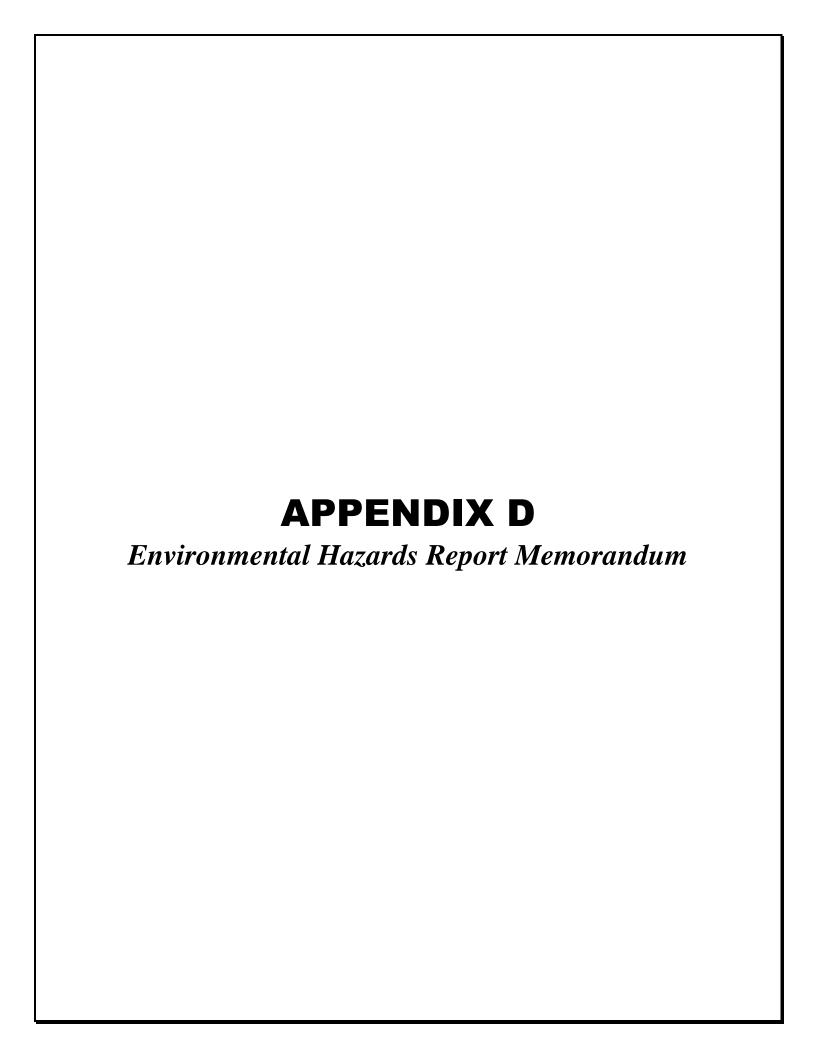
Subject: Cultural Resources Inventory for the El Toro Water District Phase II Recycled Water Distribution System Expansion Project - Negative Findings













31878 CAMINO CAPISTRANO #200 SAN JUAN CAPISTRANO, CALIFORNIA 92675 T 949.450.2525 F 949.450.2626

MEMORANDUM

To: Dennis Cafferty, P.E.

Assistant General Manager/District Engineer, El Toro Water District

From: Glenna McMahon, Khristina Leyba, Hydrogeology/HazWaste, Dudek

Subject: Hazards Assessment for the MND for the El Toro Water District Phase II

Recycled Water Distribution System Expansion Project

Date: October 2, 2015

Attachment(s): Figure 1 – Site Map Area A

Figure 2 – Site Map Area B

A – EDR Radius Report for Area A
B – EDR Radius Report for Area B
C – Aerial Photographs for Area A
D – Aerial Photographs for Area B

E – Sanborn Map for Area A F – Sanborn Map for Area B

This hazards assessment was conducted for the El Toro Water District Phase II Recycled Water Distribution System Expansion Project (proposed project), located in Orange County within the City of Laguna Woods (Figure 1 of the Mitigated Negative Declaration (MND)). The objective of this hazards assessment is to determine if there have been any impacts to the proposed project site due to current or past hazardous materials storage or use.

The proposed project involves expansion of El Toro Water District's recycled water distribution system in two areas: Area A is the western area and Area B is the eastern area (see Figure 3 of the MND). In Area A, the proposed project would include installation of approximately 5.4 miles of 4-inch, 6-inch, and 10-inch-diameter pipeline (Figures 2 and 3 of the MND). Area A is northwest of El Toro Road and is generally bounded by Via Carrizo, Monte Hermoso, and Via Buena Vista (attached Figure 1). In Area B, the proposed project would include installation of approximately 1.3 miles of 4-inch and 6-inch-diameter pipeline (Figure 3 of the MND). Area B is west of Interstate 5, and is generally bound by El Toro Road, Paseo De Valencia, and Avenida De La Carlota (attached Figure 2). Construction activities would begin with trenching and

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excavating (within the existing roadways to depths of approximately 5 to 7 feet below ground surface), followed by installing pipe, filling in the trench, and paving the area.

This hazards assessment consists of review and summary of the following data: (1) regulatory agency records, (2) historical aerial photographs, (3) records on or near the proposed project site listed in GeoTracker and EnviroStor (online databases maintained by the Regional Water Quality Control Board and Department of Toxic Substances Control) and, (4) pipeline records on or near the proposed project site listed in the National Pipeline Mapping System [NPMS] (online dataset maintained by the Pipeline and Hazardous Materials Safety Administration).

The proposed project site is within existing roadways in residential neighborhoods. In Area A, surrounding land uses are residential to the north, east, and south, and Laguna Coast Wilderness Park to the west. In Area B, surrounding area land uses are primarily residential, but a commercial area is located to the southeast, and Interstate 5 is located less than 0.25 mile to the northeast. Laguna Woods Golf Course is west of Area B.

1 REGULATORY RECORDS

Regulatory records were searched by Environmental Data Resources (EDR) in March 2015 for Area A and August 2015 for Area B. The search was conducted according to American Society for Testing and Materials (ASTM) E 1527-13 using the standard search radii that are listed in the EDR reports. The EDR reports gave a listing of sites within an approximately 1-mile radius of the proposed project site that are known to be chemical handlers, hazardous waste generators, or polluters. Information in these listings includes the location of the site relative to the proposed project site, sources of pollution, and the status of the listed site. The complete EDR database search reports are included as Attachments A and B.

Six listings were identified for the proposed project site (Areas A and B) in two of the regulatory databases searched by EDR (see Section 1.2). Thirteen sites were identified within the ASTM-specified search distances for Area A. Forty-five sites were identified within the ASTM-specified search distances for Area B. Due to inadequate address information, nine facilities (four for Area A and five for Area B) were listed but not mapped.

1.1 U.S. Environmental Protection Agency Federal Sources

Area A

Area A was not listed in any of the federal databases searched by EDR. There were no listings in the federal databases within the ASTM-specified search distances for Area A.

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Area B

Area B was not listed in any of the federal databases searched by EDR. There were 12 listings in the federal databases within the ASTM-specified search distances for Area B. Eight sites were listed in the Resource Conservation and Recovery Act (RCRA) and/or Facility Index System (FINDS) databases. These are databases associated with permitting and hazardous materials storage or disposal. The other four sites are also listed in the state and local databases and are discussed in the next section.

1.2 California State and Local Sources

Area A

Three sites, located in Area A, were listed in the HAZNET database. The information provided for these sites is as follows:

- Professional Community Management at 3510 West Bahia ("A" in Figure 1)
- TI Beasley at 3514 West Bahia Blanca Unit A ("B" in Figure 1)
- Donna Farley at 3236 San Amadeo Unit A ("C" in Figure 1)

The HAZNET database contains facility and manifest data, and is not indicative of a release.

Five sites located outside of Area A but within the ASTM-specified search distances were listed in the HAZNET and HIST CORTESE databases. The sites listed in the HAZNET database and their locations are as follows:

- Ken Min at 3291 San Amadeo Unit A ("D" in Figure 1)
- Christy Cater at 3243 San Amadeo #B ("E" in Figure 1)
- Hoda Ishak at 3241 San Amadeo Unit 3H ("F" in Figure 1)
- Alam Yo at 3261 San Amadeo Unit A ("G" in Figure 1)

As described above, the HAZNET database does not contain records that are indicative of a release, so these six sites are unlikely to have impacted environmental conditions in Area A.

The fifth site, American Savings Bank at 24805 El Toro Road, is located approximately 0.55 mile east of the northeastern portion of Area A. This site is also located within the search distances of Area B and is discussed further under the discussion for Area B.



Area B

Three sites were identified in Area B. These sites were listed in the HAZNET database:

- Nick Onuf at 2092 Ronda Granada Unit B ("A" in Figure 2)
- Carmen Brias at 2100 Ronda Granada Unit A ("B" in Figure 2)
- Richard Williams at 2163 Via Mariposa East ("C" in Figure 2)

As described above, the HAZNET database does not contain records indicative of a release.

Eight sites located within 1/8 mile of Area B were identified in state and local databases:

- 2153 Ronda Granada, approximately 200 feet from the project site, is listed in the CHMRIS database. This database contains information on reported hazardous materials incidents (accidental releases or spills). Records indicate that a release of "mineral oil, PCB unknown," likely from a transformer, occurred in August 2003. The material was reportedly released onto the concrete pad.
- 2. Orange County Fire Station at 24001 Paseo De Valencia is located approximately 390 feet south of Area B. This site is listed in the following databases: SWEEPS UST, LUST, HIST UST, UST, CA FID UST, HIST CORTESE, and AST. The AST database is a listing of petroleum aboveground storage tank (AST) locations. According to the database, a 1,320-gallon AST is located on site. The HIST CORTESE database contains a listing of sites with known contamination, previous contamination, or the treat thereof. The only information provided for this listing is the regulatory identification (ID) of the site, which is 083002314T. The UST databases include records of sites that have had or currently have a permit for underground storage tanks (USTs) on site. The LUST database contains an inventory of reported leaking underground storage tank (LUST) incidents. According to the Case Closure Summary report dated May 5. 2003, upon removal of two USTs (one 2,000-gallon gasoline UST and one 1,000-gallon diesel UST) in July 1993, residual petroleum hydrocarbons were observed in the excavation pit. Three additional USTs were removed at some point after July 1993, but tanks sizes and contents were not reported. Groundwater was impacted. Reportedly, depth to groundwater ranged between 15 feet and 21 feet below ground surface (bgs), and groundwater flow beneath the site was to the west (toward Area B). According to the closure letter, the concentration of benzene in the groundwater at the down-gradient well had remained below the low risk criteria for the Santa Ana Regional Water Quality Control Board of 250 parts per billion. The site received case closure on August 21, 2003.

- 3. American Saving Bank at 24085 El Toro Road is located approximately 447 feet south-southeast of Area B. This site is listed in the LUST and HIST CORTESE databases. The HIST CORTESE database contains a listing of sites with known contamination, previous contamination, or the treat thereof. However, the Cortese List has not been updated by the state agency since about 1992. The regulatory ID under the HIST CORTESE database is RO0001324. According to the Case Closure Summary letter dated February 26, 2004, this site was a gas station from 1967 to 1978. The site was redeveloped into an American Savings Bank in 1978. A release of gasoline to groundwater was reported in September 1993. According to the same closure letter, depth to water ranged between 8.7 feet and 20.3 feet bgs, and groundwater flow beneath the site varied between southeast (away from Area B) and northwest (cross-gradient of Area B). As residual benzene in the groundwater was below the Regional Water Quality Control Board's low risk criteria, the American Savings Bank received case closure on June 28, 2004.
- 4. Allied Micro-Graphic at 23461 Ridge Route Drive is located approximately 470 feet north-northwest of Area B. This site is listed in the Drycleaners database. This database is a list of drycleaner-related facilities that have an Environmental Protection Agency (EPA) ID number. This site's EPA number is CAL000169998. No violations were reported for Allied Micro-Graphic.
- 5. Chevron at 24081 El Toro Road is located approximately 527 feet south-southeast of Area B. This site is listed in the following databases: LUST, CA FID UST, Orange Co. Industrial Site, HIST CORTESE, UST, SWEEPS UST, and HIST UST. A gasoline release to the groundwater was reported on November 11, 1985. According to the February 2005 groundwater monitoring report, wells nearest Area B have benzene concentrations above the maximum contaminant level (MCL) of 5 micrograms per liter (μg/L). According to the Case Closure Summary letter dated April 21, 2005, the depth to groundwater ranged between 9.2 feet and 18.5 feet bgs, and the groundwater flow was to the southeast (away from Area B). Chevron received case closure on June 6, 2005.
- 6. Union Oil Service Station at 24082 El Toro Road is located approximately 643 feet south-southeast of Area B. This site is listed in the following databases: HIST UST, LUST, SWEEPS UST, UST, CA FID UST, and HIST CORTESE. This site is also listed under the following site names: 76 Station 5408, UNOCAL, UNOCAL #5408, and Laguna Hills Circle. Gasoline was released to soil and groundwater as reported on August 23, 1989. Three USTs (two 10,000-gasoline and one 555-gallon waste oil tanks) were removed from the site on March 23, 1993. Based on the Case Closure Summary letter dated August 18, 2006, depth to water ranged between 6.8 feet and 18.5 feet bgs, and the groundwater flow beneath the site was to the southeast, away from Area B.

Reportedly, contaminated soil was excavated and disposed of off-site in 1993. Soil vapor extraction occurred between July 1992 and October 1999. Based on the most recent groundwater monitoring report (December 2006), the concentration plume maps show that benzene and methyl tert-butyl ether (MTBE) plumes are confined within the site boundary. Benzene and MTBE concentrations at groundwater wells surrounding the plumes are below the reporting limit. Union Oil Service Station received case closure on January 18, 2007.

- 7. Home Federal Savings and Loan at 23941 Aveneda de La Carlota is located approximately 605 feet east of Area B. This site was listed in the SLIC, LUST, and HIST CORTESE databases. The regulatory ID under the HIST CORTESE database is 083000799T. The other databases are related to a release of gasoline to groundwater reported on March 22, 1988. Home Federal Savings and Loan received case closure on May 7, 1992.
- 8. Shell Oil at 23971 El Toro Road, is located approximately 863 feet east of Area B. This site is listed in the following databases: LUST, UST, EDR US Hist Auto Stat, RCRA-SQG, LUST, HIST UST, CA FID UST, and HIST CORTESE. No violations were reported under the RCRA database. The regulatory ID under the HIST CORTESE database is 083000362T. The EDR US Hist Auto Station database is a proprietary historical database and contains information on years of operation. This site was listed under several different names and was reportedly in operation in 1999, 2001, 2002, and 2003, and from 2005 to 2009. According to the UST database, three gasoline and one waste oil USTs were installed at the site in 1973. A release of gasoline to groundwater was reported in April 1987. This site is currently undergoing active remediation, and groundwater sampling occurs on a quarterly basis. Reportedly, groundwater flow beneath the site is southwesterly (cross-gradient of Area B). Recent (May 2015) concentration plume maps show that benzene and MTBE plumes extend off site to the southwest. MTBE concentrations in wells nearest to Area B range between 1.0 and 100 µg/L. Benzene concentration is wells nearest to Area B ranged between below the reporting limit to $3.9 \mu g/L$.

Twenty-three sites, all located more than 1/8 mile from Area B, are discussed in further detail below:

- Three sites (Sears/AST and HIST UST, Firestone Store/UST, Los Alisos/UST and Santa Ana Parkway/Notify 65) were listed in databases that are not indicative of a release.
- Nextcycle at 24270 El Toro Road is located approximately 900 feet west-southwest of Area B. This site was listed in the SWRCY database. Nextcycle is a recycling collection facility.

- Nineteen of the 23 sites were identified as having an unauthorized release to groundwater and/or soil. Information provided for these sites is as follows:
 - Valencia Shopping Center at 24191 Paseo De Valencia is located approximately 900 feet south-southeast of Area B. This site is listed in the SLIC database.
 Perchloroethylene (PCE) was released to groundwater and soil as reported in January 1965. The site received case closure on February 22, 1996.
 - O G&M Oil Co Station #40 at 23991 El Toro Road is located approximately 925 feet east-southeast of Area B. This site is listed in the following databases: LUST, HIST CORTESE, ENF, CERCLIS-NFRAP, UST, SWEEPS UST, HIST UST, and FID. This site is also listed under the following site names: Trans-Tech Resources Inc., G&M Oil Co Inc., Wright Oil #9, Wright Petroleum, and Texaco. A release of gasoline to groundwater was reported in November 1983. This site is currently undergoing active remediation, and groundwater is reportedly sampled on a quarterly basis. Recent (July 2015) concentration plume maps show that benzene and MTBE plumes do not extend beyond the site. Based on the most recent groundwater monitoring letter report (July 2015), groundwater flow direction beneath the site is to the west (toward Area B). Benzene concentrations at wells nearest to Area B are below the reporting limit. MTBE concentrations nearest to Area B are below the EPA MCL of 13 μg/L.
 - Mercury Cleaners at 23804 Mercury Road is located approximately 0.39 mile north of Area B. This site is listed in the SLIC and Drycleaners databases. An unauthorized release of PCE was reported in September 2003. This site is currently undergoing remediation via air sparging and soil vapor extraction, and groundwater is reportedly sampled on a semi-annual/annual basis. A recent (July 2015) PCE concentration plume map shows that the plume is confined within the property boundary and does not appear to be traveling off site. Based on the most recent groundwater monitoring report (July 2015), groundwater flow is to the north, away from Area B.
 - The Shops at Lake Forest Shopping Center at 24312–24422 Rockfield Boulevard is located approximately 0.40 mile east of the Area B. This site is listed in the SLIC database. From the early 1960s to February 2007, this site operated as a dry cleaning facility. The site's status on GeoTracker is listed as "open-remediation." In 1965, a release of PCE was reported. Past remediation efforts include dual-phase extraction, soil vapor extraction, and enhanced bioremediation with sodium permanganate. Based on the most recent groundwater monitoring report (December 2014), the groundwater flow beneath the site is to the southwest (toward Area B). Farther west, approximately 863 feet from the site, groundwater flow direction is to the west-southwest, cross-gradient of Area B.

- O Based on the historical water quality tables provided in the December 2014 groundwater monitoring report, one well (MW-1A, located at the source of the release) contained PCE at more than 21,000 μg/L in the 1990s, which had decreased to 187 μg/L by November 2014. A down-gradient well (MW-13, approximately 0.25 mile from Area B), contained PCE at more than 44 μg/L in the 2000s, which had increased to 675 μg/L as of November 2014. These concentrations are above the EPA MCL of 5 μg/L.
- Arco #3010 at 23742 El Toro Road is located approximately 0.42 mile east-northeast of Area B. This site is listed in the LUST, SWEEPS UST, and HIST CORTESE databases. Gasoline was released to groundwater as reported in May 1991. According to the most recent groundwater monitoring report (May 2015), groundwater flow beneath the site is primarily to the southwest, cross-gradient of Area B. Contaminant maps from the same report show that benzene and MTBE plumes are confined within the site. Benzene and MTBE concentrations for the past 4 years at wells nearest to Area B were either below the reporting limits or below the MCLs.
- The Shops at Lake Forest at 24336 Rockfield was listed in the SLIC database. Based on the address, this site appears to be associated with The Shops at Lake Forest site (24312–24422 Rockfield) discussed previously.
- O Arco #5831 at 24181 Moulton Parkway is located approximately 0.45 mile west-southwest of Area B. This site is listed in the LUST and UST databases. As of the date of this memo, its status is listed as open. A release of gasoline to groundwater was reported in October 1965. According to the 2015 second quarter groundwater monitoring report, groundwater flow beneath the site is easterly, toward Area B. Concentration plume maps show that benzene and MTBE concentrations at wells closet to Area B are below their respective reporting limits.
- o Silver Dry Cleaners at 23684 El Toro Road, Suite 698, is located approximately 0.48 mile east-northeast of Area B. This site operated as a dry cleaning facility between 1982 and 1998. PCE was released to the groundwater as reported in November 1999. Groundwater is reportedly sampled on a quarterly basis. According to the most recent groundwater monitoring report (October 2014), groundwater flow is to the south/southeast, away from Area B. Based on the most recent (October 2014) PCE concentration plume map, it appears that the plume is migrating off site to the southeast. According to GeoTracker, this site has an "open-site assessment" status.

- Facility 41110-1 at 23751 El Toro Road is located approximately 0.40 mile eastnortheast of Area B. This site is listed in the HIST CORTESE database. The regulatory ID under the HIST CORTESE database is 083000732T.
- Ten sites were listed in the LUST, UST, EDR US Historical Auto Station, RCRA-SQG, HIST UST, CA FID UST, HIST CORTESE, SWEEPS UST, CHMIRS, ENVIROSTOR, and VCP databases for releases of diesel, gasoline, and motor oil to groundwater and/or soil. All 10 sites received case closure between 1986 and 2013 by the lead agency, the Orange County Department of Environmental Health.

1.3 EDR Proprietary Historical Databases

The proposed project site (Areas A and B) was not listed in any of the EDR Proprietary Historical databases.

Three sites within the ASTM-specified search distances of Area A were identified in EDR's US Historical Auto Station or US Historical Cleaners databases.

Eleven sites within the ASTM-specified search distances of Area B were identified in EDR's US Historical Auto Station or US Historical Cleaners databases.

The two databases contain listings that provided information about sites that engaged in commercial activities that could result in environmental concerns, but may not show up in current government record searches. Based on the information reviewed, no evidence indicates that these sites have impacted the environmental conditions at Area A or Area B.

1.4 Unmapped Sites

Unmapped sites are flagged by EDR but not mapped due to insufficient address information. Four sites were listed in the EDR report as unmapped sites for Area A and five sites were listed for Area B. Dudek performed additional research to accurately locate these sites in relation to the proposed project site.

Two sites associated with Area A and three sites associated with Area B were located more than 1 mile from the respective project area. The other two sites were located within 1 mile of both Area A and Area B. Information obtained for these two sites is as follows:

• Best Cleaners at 24338 El Toro Road is located approximately 0.50 mile east of Area A and approximately 0.75 mile west of Area B, near the corner of El Toro Road and Calle

Sonora. This site was listed in the Drycleaners and HAZNET databases. This site is an active dry cleaning facility. There are no reported releases for this site.

• Mobil #18-HKF at 24362 El Toro Road, is located approximately 0.90 mile east of Area A and approximately 0.43 mile west of Area B. This site is listed in the LUST database. A release case was opened by the Orange County Health Department in 1990 after contamination was detected in soil and groundwater samples collected in October 1989. Reportedly, the groundwater flow direction beneath the site is to the east-northeast. The site received case closure on January 11, 2013.

1.5 GeoTracker and EnviroStor

The proposed project site (Areas A and B) was not listed in the GeoTracker or EnviroStor databases. No sites were identified within 0.50 mile of Area A in the GeoTracker or EnviroStor databases. Five sites were identified within 0.50 mile of Area B in the GeoTracker database; these sites were discussed in Section 1.2. No sites were identified near Area B in the EnviroStor database.

2 NATIONAL PIPELINE MAPPING SYSTEM

The NPMS was reviewed on August 27, 2015, to determine if gas transmission pipelines, hazardous liquid pipelines, or liquefied natural gas (LNG) plants are within the proposed project site. No pipelines or LNG plants were shown on the online mapping system within or near the proposed project site (Areas A and B).

3 AERIAL PHOTOGRAPHS

Historical aerial photographs were reviewed to determine if evidence of recognized environmental conditions was present on the proposed project site. For Area A, historical aerial photographs from 1938, 1946, 1953, 1960, 1968, 1977, 1989, 1994, 2005, 2009, 2010, and 2012 were reviewed (Attachment C). Observations for Area A are presented in Table 1.

Table 1
Historical Aerial Photograph Descriptions for Area A

Date	Description
1938	Area A consists of vacant land with vegetation and exposed dirt. A road running along the eastern portion of the proposed project site is visible.
1946 1953 1960	Area A and surrounding properties appear similar to the 1938 photograph.
1968	Area A appears similar to the 1938 photograph. An area to the south of Area A appears to have been cleared of vegetation.



Table 1
Historical Aerial Photograph Descriptions for Area A

Date	Description
1977	Residential development is now visible in the northern portion of Area A as well as farther north. The areas to the south, east, and west remain similar to the 1938 photograph.
1989	Residential development has expanded and roads have been improved in Area A and adjacent to the north and south. The area to the west remains vacant and vegetated. The area to the east appears to have been cleared of vegetation and graded.
1994	Further development of structures and roads to the east of Area A is visible. Area A and most of the surrounding area appear similar to the 1989 photograph. A second photograph depicts the land east of Area A; residential development and vacant land is visible in this photograph.
2005	Area A and surrounding area appear to be similar to the 1994 photograph. New residences have been constructed on the land to the east of Area A. A second photograph depicts the land east of Area A. The vacant land shown in the 1994 photograph has been developed for a golf course. Area A otherwise appears to be similar to the 1994 photograph.
2009	Area A and the surrounding area are similar to the 2005 photograph.
2010	Only the northeast portion of Area A is visible. This portion of Area A and the surrounding land is similar to the 2009 photograph.
2012	Area A and surrounding area appears to be similar to the 2009 photograph.

For Area B, historical aerial photographs from 1938, 1946, 1952, 1963, 1972, 1989, 1994, 2005, 2009, 2010, and 2012 were reviewed (Attachment D). Observations for Area B are presented in Table 2.

Table 2
Historical Aerial Photograph Descriptions for Area B

Date	Description
1938	Area B and surrounding properties appear to be vacant land. Dots visible on the land may be piles of vegetation that could indicate use of the project site and nearby areas for dry farming. Unimproved roads are visible farther to the east and south.
1946	Although no evidence of dry farming is visible in Area B, the land appears to have been used for agriculture. Agriculture, orchards, and vacant land are visible on the surrounding properties. A stream is visible traversing east/west north of Area B, and another stream is visible traversing north/south west of Area B.
1952	Area B and surrounding properties appear similar to the 1946 photograph.
1963	Area B and surrounding properties appear similar to the 1946 photograph.
1972	Only the southern portion of Area B is visible. Residential development and roads are visible on this portion of Area B and surrounding properties to the west, south, and southeast.

Table 2
Historical Aerial Photograph Descriptions for Area B

Date	Description
1989	Residential development and roads are visible on the entirety of Area B. Residential development and large structures are visible to the north and northwest. The remaining surrounding area appears to be similar to the 1972 photograph.
1994 2005 2009 2010 2012	In photographs 1994 through 2012, Area B and the surrounding area appear to be similar to the 1989 photograph.

4 SANBORN MAP REVIEW

Dudek requested Sanborn Fire Insurance maps to determine if the proposed project area contains evidence of recognized environmental conditions. Sanborn maps were not found covering the proposed project area (Areas A and B). The report is included in Attachments E and F.

5 SUMMARY

This hazards assessment was conducted for the proposed project site located in Orange County within the City of Laguna Woods. The proposed project would include installation of several miles of 4-inch, 6-inch, and 10-inch-diameter pipeline within the existing roadways in residential neighborhoods north and northwest of El Toro Road. The hazards assessment included research and review of regulatory agency records and historical source information to determine if there have been any impacts to the proposed project site (Area A and Area B) due to current or past hazardous materials storage or use.

Area A was not listed in any of the federal, local, or EDR proprietary databases. Three sites were listed in a state database, HAZNET. Based on the information reviewed, there is no evidence indicating that the three sites have impacted environmental conditions at the proposed project site. Ten sites beyond Area A, but within the ASTM-specified search distances of the site, were listed in regulatory agency databases. Information reviewed did not indicate that Area A has been impacted by contamination from any of the nearby sites based on either the site reaching case closure or the site being listed in a database that is not indicative of an unauthorized release.

Based on review of the NPMS, gas transmission pipelines, hazardous liquid pipelines, and LNG plants were not identified within or near Area A. Based on review of historical aerial photographs, the proposed project site was undeveloped land before at least 1968. No adverse environmental impacts to Area A were observed.



Area B was not listed in any of the federal, local, or EDR proprietary databases. Three sites were listed in a state database, HAZNET. Based on the information reviewed, there is no evidence indicating that the three sites have impacted environmental conditions at Area B. A total of 45 sites beyond Area B, but within the ASTM-specified search distances of the site, were listed in regulatory agency databases. Information reviewed indicated that at least 42 of the 45 nearby sites have not impacted Area B based on one or more of the following: closed case status, groundwater flow direction beneath the site is away or cross-gradient of Area B, soil contamination only, and/or database listing not indicative of an unauthorized release.

Three of the 45 nearby sites may have impacted Area B. These three sites and their potential impacts are discussed below.

- 1. Orange County Fire Station at 24001 Paseo De Valencia is located approximately 390 feet south of Area B. A release of gasoline to soil and groundwater was reported in July 1993. Reportedly, groundwater flow is to the west, toward Area B. Residual benzene has been detected in the groundwater at the site, but concentrations are below the low risk criteria of 250 parts per billion. The site received closure in August 2003. Given that the groundwater flow is toward Area B and the site's proximity to Area B, the fire station may have impacted environmental conditions at Area B.
- 2. Shell Oil at 23971 El Toro Road is located approximately 863 feet east of Area B and approximately 400 feet east of the Orange County Fire Station. A release of gasoline to groundwater was reported in April 1987. This site is currently undergoing active remediation, and groundwater is sampled on a quarterly basis. Reportedly, groundwater flow beneath the site is southwesterly (cross-gradient of Area B). Recent (May 2015) concentration plume maps show that benzene and MTBE plumes extend off site to the southwest. MTBE and benzene concentrations in wells nearest to Area B are greater than their respective EPA MCLs. PCE and TCE were also detected in groundwater at the site. Given the status of the site (open case), its proximity to Area B, and reported direction of groundwater flow (toward Area B), the Shell Oil site may have impacted environmental conditions at Area B.
- 3. The Shops at Lake Forest Shopping Center at 24312–24422 Rockfield Boulevard is located approximately 0.40 mile east of Area B. A dry cleaning facility was located at this property between 1960 and 2007. In 1965, a release of PCE from the dry cleaning operation was reported. Past remediation efforts include dual-phase extraction, soil vapor extraction, and enhanced bioremediation. Based on the most recent groundwater monitoring report (December 2014), groundwater flow beneath the site is to the southwest (toward Area B). Based on the historical water quality tables provided in the December 2014 groundwater monitoring report, PCE in the site's down-gradient well is above the EPA MCL. Groundwater flow at this site is

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toward Area B. Given the groundwater flow direction from the former dry cleaners and evidence of PCE contaminant travel toward Area B, the former dry cleaning facility has potentially impacted environmental conditions at Area B.

Based on review of the NPMS, gas transmission pipelines, hazardous liquid pipelines, and LNG plants were not identified within or near Area B. Based on review of historical aerial photographs, before the existing development of Area B and surrounding areas, the land was used for agriculture until at least 1963. As a result, residual chlorinated and arsenical pesticides may be present in the shallow soils at the project site within Area B.

RECOMMENDATIONS 6

Installation of the 4-inch, 6-inch, and 10-inch-diameter pipeline would involve excavation activities. Due to the potential impacts to Area B from nearby sites (discussed in Section 5), precautions should be taken in the event that impacted soil and/or groundwater is encountered during construction. A hazardous materials contingency plan should be prepared and should specify measures to be taken to protect worker and public health and safety and measures to be taken to manage and remediate wastes. The plan should highlight the areas of known or potential soil and/or groundwater contamination. The plan should include the following:

- Identification of known areas of soil and/or groundwater contamination.
- Procedures for temporary cessation of construction activity and evaluation of the level of environmental concern.
- Procedures for limiting access to the contaminated area to properly trained personnel.
- Procedures for notification and reporting, including internal management and local agencies (e.g., Orange County Health Care Agency, local fire department), as needed.
- A worker health and safety plan for excavation of contaminated soil and/or groundwater.
- Procedures for characterizing and managing excavated soils.
- Procedures for certification of completion of remediation.

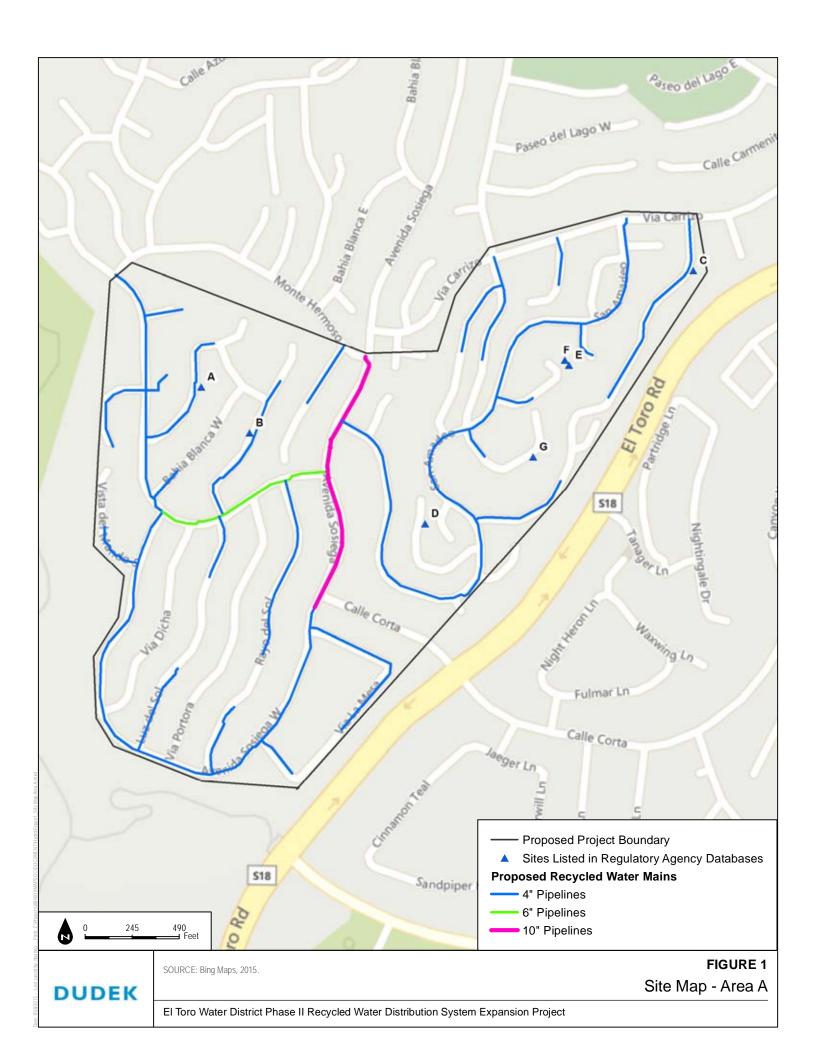
In addition to awareness of the hazardous materials contingency plan, staff should be knowledgeable about how to identify suspected contaminated soil.

Due to the historical activities in Area B and surrounding areas, soils may contain chlorinated and/or arsenical pesticides. Thus, soil sampling may be necessary before excavation or construction activities to assess potential human health and environmental risk.

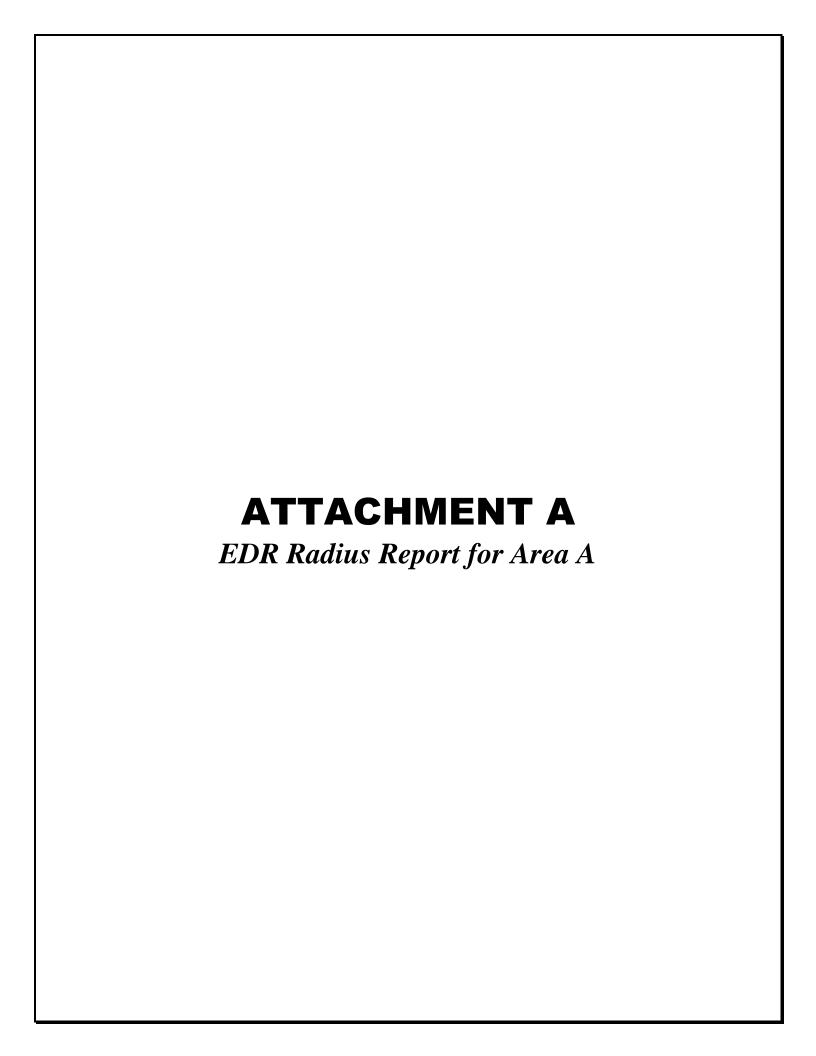


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ETWD EL TORO RD Laguna Woods, CA 92637

Inquiry Number: 4239977.2s

March 30, 2015

The EDR Radius Map™ Report with GeoCheck®

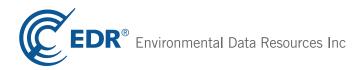


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Thank you for your business.Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

EL TORO RD

ORANGE County, CA 92637

COORDINATES

Latitude (North): 33.6046000 - 33° 36' 16.56" Longitude (West): 117.7468000 - 117° 44' 48.48"

Universal Tranverse Mercator: Zone 11 UTM X (Meters): 430714.4 UTM Y (Meters): 3718373.0

Elevation: 397 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33117-E6 SAN JUAN CAPISTRANO, CA

Most Recent Revision: 1981

West Map: 33117-E7 LAGUNA BEACH, CA

Most Recent Revision: 1981

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120527 Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site Database(s)		EPA ID
PROFESSIONAL COMMUNITY MGMT 3510 BAHIA BLANCA W LAGUNA WOODS, CA 92637	HAZNET	N/A
ALMA YAO 3261 SAN AMADEO UNIT A LAGUNA WOODS, CA 92637	HAZNET	N/A
CHRISTY CARTER 3243 SAN AMADEO # B LAGUNA WOODS, CA 92637	HAZNET	N/A

DONNA FARLEY HAZNET N/A 3236 SAN AMADEO UNIT A

LAGUNA WOODS, CA 92637

TI BEASLEY HAZNET N/A

3514 BAHIA BLANCA W UNIT A LAGUNA WOODS, CA 92687

KEN MIN HAZNET N/A

3291 SAN AMADEO UNIT C LAGUNA WOODS, CA 92637

HODA ISHAK HAZNET N/A

3241 SAN AMADEO UNIT 3H LAGUNA WOODS, CA 92637

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL......National Priority List

Proposed NPL.....Proposed National Priority List Sites

NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL...... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP...... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS...... Corrective Action Report

rederal RCRA non-CORRAC	TS TSD facilities list
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
Federal RCRA generators lis	st
RCRA-SQG	RCRA - Large Quantity Generators RCRA - Small Quantity Generators RCRA - Conditionally Exempt Small Quantity Generator
Federal institutional controls	s / engineering controls registries
US INST CONTROL	Engineering Controls Sites List Sites with Institutional Controls Land Use Control Information System
Federal ERNS list	
ERNS	Emergency Response Notification System
State- and tribal - equivalent	NPL
RESPONSE	State Response Sites
State- and tribal - equivalent	CERCLIS
ENVIROSTOR	EnviroStor Database
State and tribal landfill and/o	or solid waste disposal site lists
SWF/LF	Solid Waste Information System
State and tribal leaking stora	age tank lists
SLIC	Geotracker's Leaking Underground Fuel Tank Report Statewide SLIC Cases Leaking Underground Storage Tanks on Indian Land

State and triba	al registered	l storage tank l	ists
-----------------	---------------	------------------	------

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing VCP..... Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

ODI...... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

WMUDS/SWAT..... Waste Management Unit Database

Local Lists of Hazardous waste / Contaminated Sites

SCH..... School Property Evaluation Program

US HIST CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST..... Facility Inventory Database

HIST UST..... Hazardous Substance Storage Container Database

SWEEPS UST...... SWEEPS UST Listing

Local Land Records

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

Records of Emergency Release Reports

Other Ascertainable Records

RCRA NonGen / NLR...... RCRA - Non Generators / No Longer Regulated

CONSENT..... Superfund (CERCLA) Consent Decrees

TRIS______ Toxic Chemical Release Inventory System

TSCA...... Toxic Substances Control Act

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS...... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS...... Integrated Compliance Information System

FINDS Facility Index System/Facility Registry System
RAATS RCRA Administrative Action Tracking System

UIC......UIC Listing

Cortese "Cortese" Hazardous Waste & Substances Sites List

WIP..... Well Investigation Program Case List

ENF...... Enforcement Action Listing
EMI..... Emissions Inventory Data
INDIAN RESERV..... Indian Reservations

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing COAL ASH EPA....... Coal Combustion Residues Surface Impoundments List US AIRS...... Aerometric Information Retrieval System Facility Subsystem

MWMP..... Medical Waste Management Program Listing

WDS...... Waste Discharge System

Financial Assurance Information Listing

PROC..... Certified Processors Database

HWT...... Registered Hazardous Waste Transporter Database

HWP EnviroStor Permitted Facilities Listing
COAL ASH DOE Steam-Electric Plant Operation Data
2020 COR ACTION 2020 Corrective Action Program List
PRP Potentially Responsible Parties

LEAD SMELTERS..... Lead Smelter Sites EPA WATCH LIST.... EPA WATCH LIST

US FIN ASSUR..... Financial Assurance Information

PCB TRANSFORMER...... PCB Transformer Registration Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN SAVINGS BANK	24805 EL TORO	S 0 - 1/8 (0.072 mi.)	9	11

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 2 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
Not reported	48 PARTRIDGE LN	E 0 - 1/8 (0.063 mi.)	8	11	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
Not reported	109 NIGHT HERON LN	SE 0 - 1/8 (0.100 mi.)	10	11	

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there is 1 EDR US Hist Cleaners site within approximately 0.25 miles of the target property.

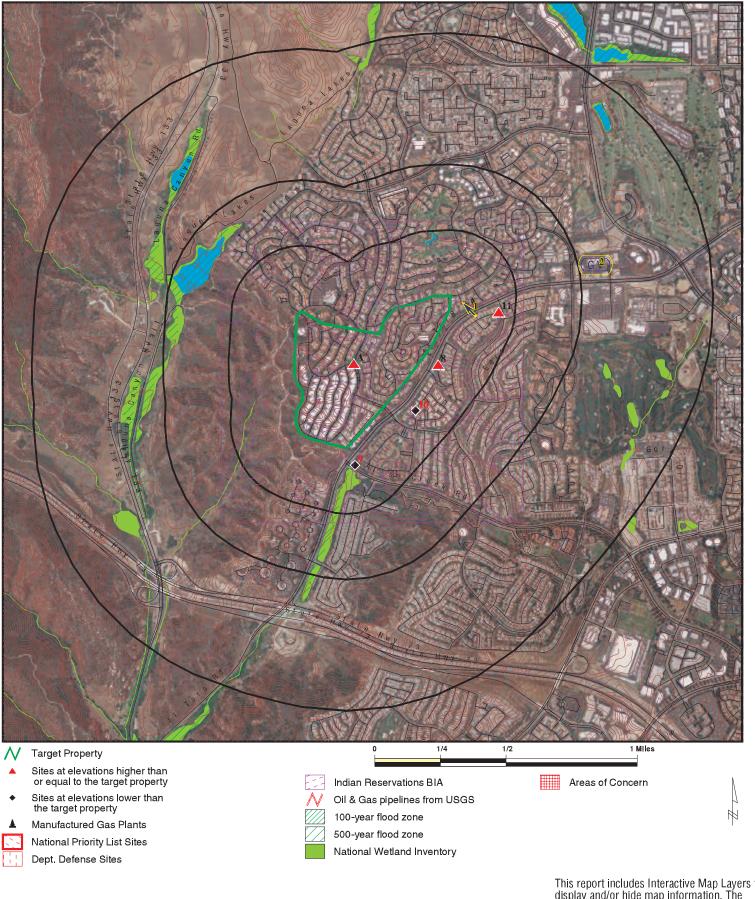
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	5 CUERVO DR	ENE 1/8 - 1/4 (0.187 mi.)	11	11

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name Database(s)

BEST CLEANERS USMCAS EL TORO UST 759B USMCAS EL TORO TANK FARM 555 MOBIL #18-HKF DRYCLEANERS, HAZNET LUST LUST LUST

OVERVIEW MAP - 4239977.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: ETWD

ADDRESS: EL TORO RD

Laguna Woods CA 92637 LAT/LONG: 33.6046 / 117.7468 CLIENT: Dudek & Associates CONTACT: Khristina Leyba INQUIRY#: 4239977.2s

DATE:

: March 30, 2015 9:06 am

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DETAIL MAP - 4239977.2S



CLIENT: CONTACT: SITE NAME: ETWD **Dudek & Associates** ADDRESS: EL TORO RD Khristina Leyba Laguna Woods CA 92637 INQUIRY#: 4239977.2s LAT/LONG: 33.6046 / 117.7468

DATE: March 30, 2015 9:07 am

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENT	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 0.001		0 0 0	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	e list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS FEDERAL FACILITY	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRAI	P site List							
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD fa	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	s list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
US ENG CONTROLS US INST CONTROL LUCIS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equiva	lent NPL							
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equiva	lent CERCLIS	3						
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill a solid waste disposal site								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking s	storage tank l	ists						
LUST	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC INDIAN LUST	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal registere	d storage tar	ık lists						
UST AST INDIAN UST FEMA UST	0.250 0.250 0.250 0.250		0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0
State and tribal voluntary	cleanup site	es						
INDIAN VCP VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
ADDITIONAL ENVIRONMEN	TAL RECORDS	3						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	olid							
ODI DEBRIS REGION 9 SWRCY HAULERS INDIAN ODI WMUDS/SWAT	0.500 0.500 0.500 0.001 0.500 0.500		0 0 0 0 0	0 0 0 NR 0 0	0 0 0 NR 0 0	NR NR NR NR NR	NR NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	waste/							
US CDL HIST Cal-Sites SCH Toxic Pits CDL US HIST CDL	0.001 1.000 0.250 1.000 0.001 0.001		0 0 0 0 0	NR 0 0 0 NR NR	NR 0 NR 0 NR NR	NR 0 NR 0 NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Registered	Storage Tan	ıks						
CA FID UST HIST UST SWEEPS UST	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Local Land Records								
LIENS 2 LIENS DEED	0.001 0.001 0.500		0 0 0	NR NR 0	NR NR 0	NR NR NR	NR NR NR	0 0 0
Records of Emergency R	elease Repo	rts						
HMIRS CHMIRS LDS	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	<u>> 1</u>	Total Plotted
MCS Orange Co. Industrial Site	0.001 0.001		0	NR NR	NR NR	NR NR	NR NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT ROD	1.000 1.000		0 0	0 0	0 0	0 0	NR NR	0 0
UMTRA	0.500		0	0	0	NR	NR NR	0
US MINES	0.300		0	0	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
TSCA	0.001		Ö	NR	NR	NR	NR	Ö
FTTS	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
RADINFO FINDS	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
RAATS	0.001		0	NR NR	NR	NR	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	0.001		Ö	NR	NR	NR	NR	Ö
UIC	0.001		0	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		1	0	0	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP ENF	0.250 0.001		0 0	0 NR	NR NR	NR NR	NR NR	0 0
HAZNET	0.001	7	0	NR	NR	NR	NR	7
EMI	0.001	•	0	NR	NR	NR	NR	0
INDIAN RESERV	1.000		Ö	0	0	0	NR	Ö
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
PROC HWT	0.500 0.250		0 0	0	0 NR	NR NR	NR NR	0 0
HWP	1.000		0	0 0	0	0	NR NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PRP	0.001		Ő	NR	NR	NR	NR	Ö
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		2	0	NR	NR	NR	2
EDR US Hist Cleaners	0.250		0	1	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS Map ID

Direction Distance

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

Α1 PROFESSIONAL COMMUNITY MGMT HAZNET S112986003 **Target**

3510 BAHIA BLANCA W N/A

LAGUNA WOODS, CA 92637 **Property**

Site 1 of 7 in cluster A

HAZNET: Actual:

S112986003 397 ft. envid: Year: 2011

GEPAID: CAC002666375 Contact: **CHRISEN COURDY** Telephone: 9495974620 Not reported Mailing Name: Mailing Address: PO BOX 2220

Mailing City, St, Zip: LAGUNA WOODS, CA 92654

Gen County: Not reported TSD EPA ID: CAD982444481 TSD County: Not reported

Waste Category: Unspecified oil-containing waste

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

(H010-H129) Or (H131-H135)

Tons: 0.22935 Facility County: Orange

A2 ALMA YAO HAZNET \$117290524 N/A

3261 SAN AMADEO UNIT A **Target Property** LAGUNA WOODS, CA 92637

Site 2 of 7 in cluster A

HAZNET: Actual:

S117290524 envid: 397 ft.

Year: 2013

GEPAID: CAC002727959 Contact: ALMA YAO Telephone: 9495107770 Mailing Name: Not reported

Mailing Address: 3261 SAN AMADEO UNIT A Mailing City, St, Zip: **LAGUNA WOODS, CA 926370655**

Gen County: Orange TSD EPA ID: CAD009007626 TSD County: Los Angeles Waste Category: Not reported

Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill (To

Include On-Site Treatment And/Or Stabilization)

Tons: 0.8

Facility County: Not reported

HAZNET S117286252 **A3 CHRISTY CARTER** 3243 SAN AMADEO # B N/A **Target**

Property LAGUNA WOODS, CA 92637

Site 3 of 7 in cluster A

HAZNET: Actual:

envid: S117286252 397 ft.

Year: 2013

GEPAID: CAC002721885

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CHRISTY CARTER (Continued)

S117286252

HAZNET S117297858

N/A

EDR ID Number

Contact: **CHRISTY CARTER** 9494540322 Telephone: Mailing Name: Not reported

Mailing Address: 3243 SAN AMADEO # B

Mailing City, St, Zip: **LAGUNA WOODS, CA 926373069**

Gen County: Orange TSD EPA ID: CAD009007626 Los Angeles TSD County: Waste Category: Not reported

Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To

Include On-Site Treatment And/Or Stabilization)

Tons:

Facility County: Not reported

DONNA FARLEY Target 3236 SAN AMADEO UNIT A **Property** LAGUNA WOODS, CA 92637

Site 4 of 7 in cluster A

HAZNET: Actual:

Α4

envid: S117297858 397 ft. Year: 2013

> CAC002739255 GEPAID: Contact: **DONNA FARLEY** 9492061291 Telephone: Mailing Name: Not reported

Mailing Address: 3236 SAN AMADEO UNIT A Mailing City, St, Zip: **LAGUNA WOODS, CA 926370665**

Gen County: Orange TSD EPA ID:

CAD009007626 TSD County: Los Angeles Waste Category: Not reported

Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To

Include On-Site Treatment And/Or Stabilization)

Tons: 1.6

Facility County: Not reported

Α5 **TI BEASLEY** HAZNET \$117299497 **Target** 3514 BAHIA BLANCA W UNIT A N/A

Property LAGUNA WOODS, CA 92687

Site 5 of 7 in cluster A

HAZNET: Actual:

397 ft. envid: S117299497 Year: 2013

> CAC002741668 GEPAID: Contact: TI BEASLEY 2252051834 Telephone: Mailing Name: Not reported

Mailing Address: 3514 BAHIA BLANCA W UNIT A Mailing City, St, Zip: LAGUNA WOODS, CA 92687

Gen County: Orange CAD009007626 TSD EPA ID: Los Angeles TSD County:

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

TI BEASLEY (Continued) S117299497

Waste Category: Not reported

Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To

Include On-Site Treatment And/Or Stabilization)

Tons: 0.8

Facility County: Not reported

A6 KEN MIN HAZNET \$117294409
Target 3291 SAN AMADEO UNIT C N/A

Target 3291 SAN AMADEO UNIT C Property LAGUNA WOODS, CA 92637

Site 6 of 7 in cluster A

Actual: HAZNET:

397 ft. envid: S117294409 Year: 2013

GEPAID: CAC002734083
Contact: KEN MIN
Telephone: 9499430107
Mailing Name: Not reported

Mailing Address: 3291 SAN AMADEO UNIT C
Mailing City,St,Zip: LAGUNA WOODS, CA 926372991

Gen County: Orange
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Not reported

Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill (To

Include On-Site Treatment And/Or Stabilization)

Tons: 1.2

Facility County: Not reported

A7 HODA ISHAK HAZNET S117303954
Target 3241 SAN AMADEO UNIT 3H N/A

Target 3241 SAN AMADEO UNIT 3H Property LAGUNA WOODS, CA 92637

Site 7 of 7 in cluster A

Actual: HAZNET:

397 ft. envid: S117303954 Year: 2013

GEPAID: CAC002748107
Contact: HODA ISHAK
Telephone: 7602175085
Mailing Name: Not reported

Mailing Address: 3241 SAN AMADEO UNIT 3H
Mailing City,St,Zip: LAGUNA WOODS, CA 926373079

Gen County: Orange
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Not reported

Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill (To

Include On-Site Treatment And/Or Stabilization)

Tons: 0.4

Facility County: Not reported

EDR ID Number

MAP FINDINGS Map ID

Direction Distance

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

8 **EDR US Hist Auto Stat** 1015513653 East

48 PARTRIDGE LN N/A

ALISO VIEJO, CA 92656 < 1/8

0.063 mi. 332 ft.

EDR Historical Auto Stations: Relative:

CALIFORNIA AUTO TRENDS Higher Name:

Year: 2002

Actual: Address: 48 PARTRIDGE LN

411 ft.

AMERICAN SAVINGS BANK HIST CORTESE \$105024359

9

South **24805 EL TORO** < 1/8 LAGUNA HILLS, CA 92653

0.072 mi. 380 ft.

HIST CORTESE: Relative:

Region: CORTESE Lower

Facility County Code: 30 Actual: Reg By: LTNKA 353 ft. Reg Id: 9UT3188

10 1015148414 **EDR US Hist Auto Stat**

SE 109 NIGHT HERON LN N/A

< 1/8 ALISO VIEJO, CA 92656

0.100 mi. 529 ft.

EDR Historical Auto Stations: Relative:

Name: THE ENGINE ROOM Lower

Year: 2007

Actual: Address: 109 NIGHT HERON LN

395 ft.

EDR US Hist Cleaners 1015067598 11

5 CUERVO DR **ENE** N/A

ALISO VIEJO, CA 92656 1/8-1/4

0.187 mi. 985 ft.

EDR Historical Cleaners: Relative:

Name: CALI CARPET CLEANING Higher

Year: 2010

Actual: 5 CUERVO DR Address:

467 ft.

N/A

Count: 4 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EL TORO	S106109191	USMCAS EL TORO UST 759B	USMCAS EL TORO BLDG 759/655	92618	LUST
IRVINE	S106660969	USMCAS EL TORO TANK FARM 555	USMCAS EL TORO UST 548 & 551	92618	LUST
LAGUNA BEACH	S113104908	BEST CLEANERS	24338 EL TORO RD	92653	DRYCLEANERS, HAZNET
LAGUNA WOODS	S113473501	MOBIL #18-HKF	24362 EL TORO RD	92653	LUST

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/16/2014 Source: EPA
Date Data Arrived at EDR: 01/08/2015 Telephone: N/A

Date Made Active in Reports: 02/09/2015 Last EDR Contact: 01/08/2015

Number of Days to Update: 32 Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/16/2014 Source: EPA
Date Data Arrived at EDR: 01/08/2015 Telephone: N/A

Number of Days to Update: 32 Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Source: EPA

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/16/2014 Date Data Arrived at EDR: 01/08/2015 Date Made Active in Reports: 02/09/2015

Number of Days to Update: 32

Source: EPA Telephone: N/A

Last EDR Contact: 01/08/2015
Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 02/27/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/21/2014 Date Data Arrived at EDR: 10/07/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 01/09/2015

Next Scheduled EDR Contact: 04/20/2015 Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. 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.

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA Telephone: 703-412-9810

Last EDR Contact: 02/27/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/09/2014 Date Data Arrived at EDR: 12/29/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 31

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2014 Date Data Arrived at EDR: 12/29/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/09/2014 Date Data Arrived at EDR: 12/29/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2014 Date Data Arrived at EDR: 12/29/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014 Date Data Arrived at EDR: 09/19/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/26/2015

Next Scheduled EDR Contact: 06/15/2015 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014 Date Data Arrived at EDR: 09/19/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/26/2015

Next Scheduled EDR Contact: 06/15/2015 Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/03/2014 Date Data Arrived at EDR: 12/12/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 48

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 02/16/2015

Next Scheduled EDR Contact: 06/01/2015 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/29/2014 Date Data Arrived at EDR: 09/30/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 37

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 03/11/2015 Date Data Arrived at EDR: 03/12/2015 Date Made Active in Reports: 03/18/2015

Number of Days to Update: 6

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 03/12/2015

Next Scheduled EDR Contact: 05/18/2015 Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 03/11/2015 Date Data Arrived at EDR: 03/12/2015 Date Made Active in Reports: 03/18/2015

Number of Days to Update: 6

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 03/12/2015

Next Scheduled EDR Contact: 05/18/2015 Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/16/2015 Date Data Arrived at EDR: 02/17/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 14

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320 Last EDR Contact: 02/17/2015

Next Scheduled EDR Contact: 06/01/2015 Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 07/22/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-4834 Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6710 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003 Date Data Arrived at EDR: 05/19/2003 Date Made Active in Reports: 06/02/2003

Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-542-4786 Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005 Date Data Arrived at EDR: 02/15/2005 Date Made Active in Reports: 03/28/2005

Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-4496 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001 Date Data Arrived at EDR: 04/23/2001 Date Made Active in Reports: 05/21/2001

Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-637-5595 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003 Date Data Arrived at EDR: 09/10/2003 Date Made Active in Reports: 10/07/2003

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)

Telephone: 530-542-5572 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005 Date Data Arrived at EDR: 06/07/2005 Date Made Active in Reports: 06/29/2005

Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Telephone: 760-241-7365 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa

Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004 Date Data Arrived at EDR: 10/20/2004 Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-622-2433 Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: Quarterly

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004 Date Data Arrived at EDR: 02/26/2004 Date Made Active in Reports: 03/24/2004

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Telephone: 760-776-8943 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001 Date Data Arrived at EDR: 02/28/2001 Date Made Active in Reports: 03/29/2001

Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)

Telephone: 707-570-3769 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 03/13/2015 Date Data Arrived at EDR: 03/18/2015 Date Made Active in Reports: 03/24/2015

Number of Days to Update: 6

Source: State Water Resources Control Board

Telephone: see region list Last EDR Contact: 03/18/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Quarterly

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 03/13/2015 Date Data Arrived at EDR: 03/18/2015 Date Made Active in Reports: 03/24/2015

Number of Days to Update: 6

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 03/18/2015

Next Scheduled EDR Contact: 06/29/2015

Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003 Date Data Arrived at EDR: 04/07/2003 Date Made Active in Reports: 04/25/2003

Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)

Telephone: 707-576-2220 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004 Date Data Arrived at EDR: 10/20/2004 Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-0457 Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006 Date Data Arrived at EDR: 05/18/2006 Date Made Active in Reports: 06/15/2006

Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-549-3147 Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004 Date Data Arrived at EDR: 11/18/2004 Date Made Active in Reports: 01/04/2005

Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6600 Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005 Date Data Arrived at EDR: 04/05/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-3291 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005 Date Data Arrived at EDR: 05/25/2005 Date Made Active in Reports: 06/16/2005

Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch

Telephone: 619-241-6583 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region

Telephone: 530-542-5574 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004 Date Data Arrived at EDR: 11/29/2004 Date Made Active in Reports: 01/04/2005

Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region

Telephone: 760-346-7491 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008 Date Data Arrived at EDR: 04/03/2008 Date Made Active in Reports: 04/14/2008

Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)

Telephone: 951-782-3298 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007 Date Data Arrived at EDR: 09/11/2007 Date Made Active in Reports: 09/28/2007

Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-467-2980 Last EDR Contact: 08/08/2011

Next Scheduled EDR Contact: 11/21/2011 Data Release Frequency: Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013

Number of Days to Update: 184

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/30/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 10

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 01/30/2015 Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 32

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/23/2015

Date of Government Version: 01/23/2015 Date Data Arrived at EDR: 02/10/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 31

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015 Date Data Arrived at EDR: 01/08/2015 Date Made Active in Reports: 02/09/2015

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 01/08/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015 Date Data Arrived at EDR: 02/12/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 29

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/23/2014 Date Data Arrived at EDR: 11/25/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 65

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 01/28/2015 Date Data Arrived at EDR: 01/30/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 42

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/13/2015 Date Data Arrived at EDR: 03/18/2015 Date Made Active in Reports: 03/26/2015

Number of Days to Update: 8

Source: SWRCB Telephone: 916-341-5851 Last EDR Contact: 03/18/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009 Date Data Arrived at EDR: 09/10/2009 Date Made Active in Reports: 10/01/2009

Number of Days to Update: 21

Source: California Environmental Protection Agency

Telephone: 916-327-5092 Last EDR Contact: 12/23/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013 Date Data Arrived at EDR: 05/01/2013 Date Made Active in Reports: 01/27/2014

Number of Days to Update: 271

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/30/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/30/2014 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 10

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/30/2015 Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 36

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 01/23/2015 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 28

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014 Date Data Arrived at EDR: 11/25/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 65

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/29/2015 Date Data Arrived at EDR: 01/30/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 42

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 28

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/03/2015 Date Data Arrived at EDR: 02/12/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 29

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 01/12/2015

Next Scheduled EDR Contact: 04/27/2015 Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014 Date Data Arrived at EDR: 10/01/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 36

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 12/31/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 03/11/2015 Date Data Arrived at EDR: 03/12/2015 Date Made Active in Reports: 03/18/2015

Number of Days to Update: 6

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 03/12/2015

Next Scheduled EDR Contact: 05/18/2015 Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/22/2014 Date Data Arrived at EDR: 12/22/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 38

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 03/24/2015

Next Scheduled EDR Contact: 07/06/2015 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/16/2015 Date Data Arrived at EDR: 03/18/2015 Date Made Active in Reports: 03/26/2015

Number of Days to Update: 8

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 03/18/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.

Date of Government Version: 12/01/2014 Date Data Arrived at EDR: 12/01/2014 Date Made Active in Reports: 01/23/2015

Number of Days to Update: 53

Source: Integrated Waste Management Board

Telephone: 916-341-6422 Last EDR Contact: 02/16/2015

Next Scheduled EDR Contact: 06/01/2015 Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 02/02/2015

Next Scheduled EDR Contact: 05/18/2015 Data Release Frequency: Varies

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000 Date Data Arrived at EDR: 04/10/2000 Date Made Active in Reports: 05/10/2000 Number of Days to Update: 30 Source: State Water Resources Control Board Telephone: 916-227-4448 Last EDR Contact: 02/09/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 15

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/03/2015

Next Scheduled EDR Contact: 06/15/2015 Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005 Date Data Arrived at EDR: 08/03/2006 Date Made Active in Reports: 08/24/2006

Number of Days to Update: 21

Source: Department of Toxic Substance Control

Telephone: 916-323-3400 Last EDR Contact: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 03/11/2015 Date Data Arrived at EDR: 03/12/2015 Date Made Active in Reports: 03/18/2015

Number of Days to Update: 6

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 03/12/2015

Next Scheduled EDR Contact: 05/18/2015 Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995 Date Data Arrived at EDR: 08/30/1995 Date Made Active in Reports: 09/26/1995

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 916-227-4364 Last EDR Contact: 01/26/2009

Next Scheduled EDR Contact: 04/27/2009 Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/18/2015

Number of Days to Update: 8

Source: Department of Toxic Substances Control

Telephone: 916-255-6504 Last EDR Contact: 03/09/2015

Next Scheduled EDR Contact: 04/27/2015

Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 15

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/03/2015

Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994 Date Data Arrived at EDR: 09/05/1995 Date Made Active in Reports: 09/29/1995

Number of Days to Update: 24

Source: California Environmental Protection Agency

Telephone: 916-341-5851 Last EDR Contact: 12/28/1998 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009 Date Data Arrived at EDR: 09/23/2009 Date Made Active in Reports: 10/01/2009

Number of Days to Update: 8

Source: Department of Public Health

Telephone: 707-463-4466 Last EDR Contact: 02/26/2015

Next Scheduled EDR Contact: 06/15/2015 Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990 Date Data Arrived at EDR: 01/25/1991 Date Made Active in Reports: 02/12/1991

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 916-341-5851 Last EDR Contact: 07/26/2001 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994 Date Data Arrived at EDR: 07/07/2005

Date Made Active in Reports: 08/11/2005

Number of Days to Update: 35

Source: State Water Resources Control Board

Telephone: N/A

Last EDR Contact: 06/03/2005 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 01/30/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/11/2015 Date Data Arrived at EDR: 03/13/2015 Date Made Active in Reports: 03/24/2015

Number of Days to Update: 11

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 03/09/2015

Next Scheduled EDR Contact: 06/22/2015 Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/09/2015 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/18/2015

Number of Days to Update: 8

Source: DTSC and SWRCB Telephone: 916-323-3400 Last EDR Contact: 03/10/2015

Next Scheduled EDR Contact: 06/22/2015 Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/29/2014 Date Data Arrived at EDR: 12/30/2014 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 69

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 12/30/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 01/21/2015 Date Data Arrived at EDR: 01/28/2015 Date Made Active in Reports: 02/26/2015

Number of Days to Update: 29

Source: Office of Emergency Services

Telephone: 916-845-8400 Last EDR Contact: 01/28/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management

Date of Government Version: 03/13/2015 Date Data Arrived at EDR: 03/18/2015 Date Made Active in Reports: 03/24/2015

Number of Days to Update: 6

Source: State Water Qualilty Control Board

Telephone: 866-480-1028 Last EDR Contact: 03/18/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 03/13/2015 Date Data Arrived at EDR: 03/18/2015 Date Made Active in Reports: 03/24/2015

Number of Days to Update: 6

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 03/18/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/22/2013

Number of Days to Update: 50

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/09/2014 Date Data Arrived at EDR: 12/29/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 02/03/2015

Next Scheduled EDR Contact: 05/18/2015 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 01/15/2015

Next Scheduled EDR Contact: 04/27/2015 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 8

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 03/13/2015

Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 01/23/2015 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 24

Telephone: Varies

Last EDR Contact: 12/24/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Varies

Source: Department of Justice, Consent Decree Library

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013 Date Data Arrived at EDR: 12/12/2013 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 74

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 03/10/2015

Next Scheduled EDR Contact: 06/22/2015 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/07/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 146

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 02/27/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 12/30/2014 Date Data Arrived at EDR: 12/31/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 03/06/2015

Next Scheduled EDR Contact: 06/15/2015 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 07/31/2013 Date Made Active in Reports: 09/13/2013

Number of Days to Update: 44

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 01/29/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 01/15/2015 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 14

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 12/22/2014

Next Scheduled EDR Contact: 04/06/2015 Data Release Frequency: Every 4 Years

FTTS: FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA Telephone: 202-566-1667

Last EDR Contact: 02/23/2015 Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015 Date Data Arrived at EDR: 02/06/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 01/09/2015

Next Scheduled EDR Contact: 04/27/2015 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 33

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 01/16/2015

Next Scheduled EDR Contact: 04/27/2015 Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 12/29/2014 Date Data Arrived at EDR: 01/08/2015 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 21

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 03/09/2015

Next Scheduled EDR Contact: 06/22/2015 Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 02/27/2015 Date Data Arrived at EDR: 02/27/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 26

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 02/27/2015

Next Scheduled EDR Contact: 04/20/2015 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/18/2015 Date Data Arrived at EDR: 02/27/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 26

Source: EPA

Telephone: (415) 947-8000 Last EDR Contact: 03/09/2015

Next Scheduled EDR Contact: 06/22/2015 Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008

Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2015 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015

Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 02/26/2013 Date Made Active in Reports: 04/19/2013

Number of Days to Update: 52

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 02/24/2015

Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989 Date Data Arrived at EDR: 07/27/1994 Date Made Active in Reports: 08/02/1994

Number of Days to Update: 6

Source: Department of Health Services

Telephone: 916-255-2118 Last EDR Contact: 05/31/1994 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/19/2014 Date Data Arrived at EDR: 12/15/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 45

Source: Deaprtment of Conservation Telephone: 916-445-2408

Last EDR Contact: 03/20/2015

Next Scheduled EDR Contact: 06/29/2015

Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 03/12/2015 Date Data Arrived at EDR: 03/13/2015 Date Made Active in Reports: 03/24/2015

Number of Days to Update: 11

Source: State Water Resources Control Board

Telephone: 916-445-9379 Last EDR Contact: 03/13/2015

Next Scheduled EDR Contact: 06/01/2015 Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/29/2014 Date Data Arrived at EDR: 12/29/2014 Date Made Active in Reports: 02/03/2015

Number of Days to Update: 36

Source: CAL EPA/Office of Emergency Information

Telephone: 916-323-3400 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001 Date Data Arrived at EDR: 01/22/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 01/22/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993 Date Data Arrived at EDR: 11/01/1993 Date Made Active in Reports: 11/19/1993

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 916-445-3846 Last EDR Contact: 03/23/2015

Next Scheduled EDR Contact: 07/06/2015

Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 02/18/2015 Date Data Arrived at EDR: 02/20/2015 Date Made Active in Reports: 03/12/2015

Number of Days to Update: 20

Source: Department of Toxic Substance Control

Telephone: 916-327-4498 Last EDR Contact: 03/09/2015

Next Scheduled EDR Contact: 06/22/2015 Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009 Date Data Arrived at EDR: 07/21/2009 Date Made Active in Reports: 08/03/2009

Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board

Telephone: 213-576-6726 Last EDR Contact: 12/23/2014

Next Scheduled EDR Contact: 04/13/2015

Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/26/2015 Date Data Arrived at EDR: 01/28/2015 Date Made Active in Reports: 02/26/2015

Number of Days to Update: 29

Source: State Water Resoruces Control Board

Telephone: 916-445-9379 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 11/19/2014

Number of Days to Update: 35

Source: California Environmental Protection Agency

Telephone: 916-255-1136 Last EDR Contact: 01/16/2015

Next Scheduled EDR Contact: 04/27/2015 Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 03/25/2014 Date Made Active in Reports: 04/28/2014

Number of Days to Update: 34

Source: California Air Resources Board

Telephone: 916-322-2990 Last EDR Contact: 12/24/2014

Next Scheduled EDR Contact: 04/06/2015 Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 01/15/2015

Next Scheduled EDR Contact: 04/27/2015 Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 02/18/2015

Next Scheduled EDR Contact: 06/01/2015 Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007 Date Data Arrived at EDR: 06/20/2007 Date Made Active in Reports: 06/29/2007

Number of Days to Update: 9

Source: State Water Resources Control Board

Telephone: 916-341-5227 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Quarterly

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014 Date Data Arrived at EDR: 11/26/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 01/05/2015

Next Scheduled EDR Contact: 04/20/2015 Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 02/13/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: Varies

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 02/13/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 02/09/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: Quarterly

PROC: Certified Processors Database A listing of certified processors.

Date of Government Version: 03/16/2015 Date Data Arrived at EDR: 03/18/2015 Date Made Active in Reports: 03/24/2015

Number of Days to Update: 6

Source: Department of Conservation Telephone: 916-323-3836 Last EDR Contact: 03/18/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 02/02/2015 Date Data Arrived at EDR: 02/06/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 25

Source: Department of Toxic Substances Control

Telephone: 916-255-3628 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/17/2015 Date Data Arrived at EDR: 02/20/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 11

Source: California Integrated Waste Management Board

Telephone: 916-341-6066 Last EDR Contact: 02/16/2015

Next Scheduled EDR Contact: 06/01/2015 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 10/19/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 01/30/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 03/13/2015

Next Scheduled EDR Contact: 06/22/2015 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/09/2015 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 02/16/2015

Next Scheduled EDR Contact: 06/01/2015 Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/16/2014 Date Data Arrived at EDR: 10/31/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 17

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 02/06/2015

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014 Date Data Arrived at EDR: 10/31/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 17

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 02/06/2015

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Annually

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/16/2015 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/18/2015

Number of Days to Update: 8

Source: Department of Public Health

Telephone: 916-558-1784 Last EDR Contact: 03/10/2015

Next Scheduled EDR Contact: 06/22/2015

Data Release Frequency: Varies

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/23/2015 Date Data Arrived at EDR: 02/24/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 7

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 02/24/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 01/15/2015

Next Scheduled EDR Contact: 04/27/2015

Data Release Frequency: N/A

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 01/15/2015

Next Scheduled EDR Contact: 04/27/2015 Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/12/2015 Date Data Arrived at EDR: 01/13/2015 Date Made Active in Reports: 02/03/2015

Number of Days to Update: 21

Source: Department of Toxic Substances Control

Telephone: 916-440-7145 Last EDR Contact: 01/13/2015

Next Scheduled EDR Contact: 04/27/2015 Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Telephone: N/A Last EDR Contact: N/A

Source: EDR, Inc.

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/30/2013 Number of Days to Update: 182

Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

Source: State Water Resources Control Board

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery Telephone: N/A Last EDR Contact: 06/01/2012

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/21/2015 Date Data Arrived at EDR: 01/28/2015 Date Made Active in Reports: 02/26/2015 Source: Alameda County Environmental Health Services Telephone: 510-567-6700

Source: Alameda County Environmental Health Services

Last EDR Contact: 12/29/2014

Number of Days to Update: 29

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/21/2015 Date Data Arrived at EDR: 01/28/2015 Date Made Active in Reports: 02/26/2015

Telephone: 510-567-6700 Last EDR Contact: 12/29/2014

Number of Days to Update: 29

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List Cupa Facility List

> Date of Government Version: 12/08/2014 Date Data Arrived at EDR: 12/11/2014 Date Made Active in Reports: 01/23/2015

Number of Days to Update: 43

Source: Amador County Environmental Health

Telephone: 209-223-6439 Last EDR Contact: 03/23/2015

Next Scheduled EDR Contact: 06/22/2015

Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 11/20/2014 Date Data Arrived at EDR: 11/24/2014 Date Made Active in Reports: 01/07/2015

Number of Days to Update: 44

Source: Public Health Department Telephone: 530-538-7149 Last EDR Contact: 02/26/2015

Next Scheduled EDR Contact: 04/27/2015 Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 03/03/2015 Date Data Arrived at EDR: 03/05/2015 Date Made Active in Reports: 03/10/2015

Number of Days to Update: 5

Source: Calveras County Environmental Health

Telephone: 209-754-6399 Last EDR Contact: 01/12/2015

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List Cupa facility list.

> Date of Government Version: 06/11/2014 Date Data Arrived at EDR: 06/13/2014 Date Made Active in Reports: 07/07/2014

Number of Days to Update: 24

Source: Health & Human Services Telephone: 530-458-0396 Last EDR Contact: 02/09/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/23/2015 Date Data Arrived at EDR: 02/25/2015 Date Made Active in Reports: 03/04/2015

Number of Days to Update: 7

Source: Contra Costa Health Services Department

Telephone: 925-646-2286 Last EDR Contact: 02/02/2015

Next Scheduled EDR Contact: 05/18/2015 Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List Cupa Facility list

> Date of Government Version: 02/23/2015 Date Data Arrived at EDR: 02/25/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 6

Source: Del Norte County Environmental Health Division

Telephone: 707-465-0426 Last EDR Contact: 02/16/2015

Next Scheduled EDR Contact: 05/18/2015

Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/24/2015 Date Data Arrived at EDR: 02/25/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 6

Source: El Dorado County Environmental Management Department

Telephone: 530-621-6623 Last EDR Contact: 02/02/2015

Next Scheduled EDR Contact: 05/18/2015 Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 01/16/2015 Date Made Active in Reports: 02/05/2015

Number of Days to Update: 20

Source: Dept. of Community Health Telephone: 559-445-3271 Last EDR Contact: 01/05/2015

Next Scheduled EDR Contact: 04/20/2015 Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/11/2015 Date Data Arrived at EDR: 03/13/2015 Date Made Active in Reports: 03/24/2015

Number of Days to Update: 11

Source: Humboldt County Environmental Health

Telephone: N/A

Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 02/10/2015 Date Data Arrived at EDR: 02/12/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 19

Source: San Diego Border Field Office

Telephone: 760-339-2777 Last EDR Contact: 02/09/2015

Next Scheduled EDR Contact: 05/11/2015

Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/10/2013 Date Data Arrived at EDR: 09/11/2013 Date Made Active in Reports: 10/14/2013

Number of Days to Update: 33

Source: Inyo County Environmental Health Services

Telephone: 760-878-0238 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 06/08/2015

Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 07/22/2014 Date Data Arrived at EDR: 11/12/2014 Date Made Active in Reports: 12/19/2014

Number of Days to Update: 37

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/21/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 12/30/2014

Number of Days to Update: 35

Source: Kings County Department of Public Health

Telephone: 559-584-1411 Last EDR Contact: 03/23/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List Cupa facility list

> Date of Government Version: 01/20/2015 Date Data Arrived at EDR: 01/21/2015 Date Made Active in Reports: 02/05/2015

Number of Days to Update: 15

Source: Lake County Environmental Health

Telephone: 707-263-1164 Last EDR Contact: 01/19/2015

Next Scheduled EDR Contact: 05/04/2015 Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009 Date Data Arrived at EDR: 03/31/2009 Date Made Active in Reports: 10/23/2009

Number of Days to Update: 206

Source: EPA Region 9 Telephone: 415-972-3178 Last EDR Contact: 03/23/2015

Next Scheduled EDR Contact: 07/06/2015 Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014 Date Data Arrived at EDR: 01/30/2015 Date Made Active in Reports: 03/04/2015

Number of Days to Update: 33

Source: Department of Public Works

Telephone: 626-458-3517 Last EDR Contact: 01/12/2015

Next Scheduled EDR Contact: 04/27/2015 Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/19/2015 Date Data Arrived at EDR: 01/20/2015 Date Made Active in Reports: 02/05/2015

Number of Days to Update: 16

Source: La County Department of Public Works

Telephone: 818-458-5185 Last EDR Contact: 01/20/2015

Next Scheduled EDR Contact: 05/04/2015 Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009 Date Data Arrived at EDR: 03/10/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 29

Source: Engineering & Construction Division

Telephone: 213-473-7869 Last EDR Contact: 01/19/2015

Next Scheduled EDR Contact: 05/04/2015 Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/15/2015 Date Data Arrived at EDR: 01/29/2015 Date Made Active in Reports: 03/10/2015

Number of Days to Update: 40

Source: Community Health Services Telephone: 323-890-7806

Last EDR Contact: 01/19/2015

Next Scheduled EDR Contact: 05/04/2015 Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 10/20/2014 Date Data Arrived at EDR: 10/22/2014 Date Made Active in Reports: 12/15/2014

Number of Days to Update: 54

Source: City of El Segundo Fire Department

Telephone: 310-524-2236 Last EDR Contact: 03/06/2015

Next Scheduled EDR Contact: 05/04/2015 Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 01/29/2015 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 02/26/2015

Number of Days to Update: 13

Source: City of Long Beach Fire Department

Telephone: 562-570-2563 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/08/2015 Date Data Arrived at EDR: 01/15/2015 Date Made Active in Reports: 01/27/2015

Number of Days to Update: 12

Source: City of Torrance Fire Department

Telephone: 310-618-2973 Last EDR Contact: 01/12/2015

Next Scheduled EDR Contact: 04/27/2015 Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 10/02/2014 Date Data Arrived at EDR: 10/03/2014 Date Made Active in Reports: 11/20/2014

Number of Days to Update: 48

Source: Madera County Environmental Health

Telephone: 559-675-7823 Last EDR Contact: 03/23/2015

Next Scheduled EDR Contact: 06/08/2015

Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014 Date Data Arrived at EDR: 10/22/2014 Date Made Active in Reports: 12/15/2014

Number of Days to Update: 54

Source: Public Works Department Waste Management

Telephone: 415-499-6647

Last EDR Contact: 01/05/2015

Next Scheduled EDR Contact: 04/20/2015 Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/23/2015 Date Data Arrived at EDR: 02/24/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 7

Source: Merced County Environmental Health

Telephone: 209-381-1094 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 06/08/2015

Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 02/27/2015 Date Data Arrived at EDR: 03/06/2015 Date Made Active in Reports: 03/10/2015

Number of Days to Update: 4

Source: Mono County Health Department

Telephone: 760-932-5580 Last EDR Contact: 02/26/2015

Next Scheduled EDR Contact: 06/15/2015

Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 12/18/2014 Date Data Arrived at EDR: 12/19/2014 Date Made Active in Reports: 01/23/2015

Number of Days to Update: 35

Source: Monterey County Health Department

Telephone: 831-796-1297 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 06/08/2015

Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011 Date Data Arrived at EDR: 12/06/2011 Date Made Active in Reports: 02/07/2012

Number of Days to Update: 63

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 02/26/2015

Next Scheduled EDR Contact: 06/15/2015 Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008 Date Data Arrived at EDR: 01/16/2008 Date Made Active in Reports: 02/08/2008

Number of Days to Update: 23

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 02/26/2015

Next Scheduled EDR Contact: 06/15/2015 Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/12/2015 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 18

Source: Community Development Agency

Telephone: 530-265-1467 Last EDR Contact: 02/06/2015

Next Scheduled EDR Contact: 05/18/2015 Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 02/01/2015 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 18

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 02/09/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/03/2015 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 18

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 02/09/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/01/2015 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 02/26/2015

Number of Days to Update: 13

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 02/09/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/12/2015 Date Made Active in Reports: 03/18/2015

Number of Days to Update: 6

Source: Placer County Health and Human Services

Telephone: 530-745-2363 Last EDR Contact: 03/09/2015

Next Scheduled EDR Contact: 06/22/2015 Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/28/2015 Date Data Arrived at EDR: 01/29/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 33

Telephone: 951-358-5055 Last EDR Contact: 03/23/2015

Next Scheduled EDR Contact: 07/06/2015 Data Release Frequency: Quarterly

Source: Department of Environmental Health

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/28/2015 Date Data Arrived at EDR: 01/29/2015 Date Made Active in Reports: 02/26/2015

Number of Days to Update: 28

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 03/23/2015

Next Scheduled EDR Contact: 07/06/2015 Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/03/2014 Date Data Arrived at EDR: 01/07/2015 Date Made Active in Reports: 02/03/2015

Number of Days to Update: 27

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 01/07/2015

Next Scheduled EDR Contact: 04/20/2015 Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/03/2014 Date Data Arrived at EDR: 01/09/2015 Date Made Active in Reports: 02/03/2015

Number of Days to Update: 25

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 01/05/2015

Next Scheduled EDR Contact: 04/20/2015 Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 03/02/2015 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/10/2015

Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041 Last EDR Contact: 02/09/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013 Date Data Arrived at EDR: 09/24/2013 Date Made Active in Reports: 10/17/2013

Number of Days to Update: 23

Source: Hazardous Materials Management Division

Telephone: 619-338-2268 Last EDR Contact: 03/10/2015

Next Scheduled EDR Contact: 06/22/2015 Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014
Date Data Arrived at EDR: 11/21/2014
Date Made Active in Reports: 12/29/2014

Number of Days to Update: 38

Source: Department of Health Services

Telephone: 619-338-2209 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010 Date Data Arrived at EDR: 06/15/2010 Date Made Active in Reports: 07/09/2010

Number of Days to Update: 24

Source: San Diego County Department of Environmental Health

Telephone: 619-338-2371 Last EDR Contact: 03/09/2015

Next Scheduled EDR Contact: 06/22/2015 Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 09/29/2008

Number of Days to Update: 10

Source: Department Of Public Health San Francisco County

Telephone: 415-252-3920 Last EDR Contact: 02/09/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010 Date Data Arrived at EDR: 03/10/2011 Date Made Active in Reports: 03/15/2011

Number of Days to Update: 5

Source: Department of Public Health Telephone: 415-252-3920 Last EDR Contact: 02/09/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 01/08/2015 Date Data Arrived at EDR: 01/12/2015 Date Made Active in Reports: 01/27/2015

Number of Days to Update: 15

Source: Environmental Health Department

Telephone: N/A

Last EDR Contact: 03/23/2015

Next Scheduled EDR Contact: 07/06/2015 Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/23/2015 Date Data Arrived at EDR: 02/24/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 7

Source: San Luis Obispo County Public Health Department

Telephone: 805-781-5596 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 06/08/2015

Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 01/09/2015 Date Data Arrived at EDR: 01/12/2015 Date Made Active in Reports: 02/03/2015

Number of Days to Update: 22

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 03/16/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/16/2015 Date Data Arrived at EDR: 03/17/2015 Date Made Active in Reports: 03/24/2015

Number of Days to Update: 7

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 03/13/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011 Date Data Arrived at EDR: 09/09/2011 Date Made Active in Reports: 10/07/2011

Number of Days to Update: 28

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List Cupa facility list

Date of Government Version: 02/23/2015 Date Data Arrived at EDR: 02/25/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 6

Source: Department of Environmental Health

Telephone: 408-918-1973 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005 Date Data Arrived at EDR: 03/30/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014 Date Data Arrived at EDR: 03/05/2014 Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417 Last EDR Contact: 02/26/2015

Next Scheduled EDR Contact: 06/15/2015 Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/23/2015 Date Data Arrived at EDR: 02/24/2015 Date Made Active in Reports: 03/04/2015

Number of Days to Update: 8

Source: City of San Jose Fire Department

Telephone: 408-535-7694 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 05/25/2015 Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 11/24/2014 Date Data Arrived at EDR: 11/25/2014 Date Made Active in Reports: 12/31/2014

Number of Days to Update: 36

Source: Santa Cruz County Environmental Health

Telephone: 831-464-2761 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 06/08/2015

Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 03/11/2015 Date Data Arrived at EDR: 03/13/2015 Date Made Active in Reports: 03/24/2015

Number of Days to Update: 11

Source: Shasta County Department of Resource Management

Telephone: 530-225-5789 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 06/08/2015

Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/13/2015 Date Data Arrived at EDR: 03/19/2015 Date Made Active in Reports: 03/24/2015

Number of Days to Update: 5

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 03/13/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 11/17/2014 Date Data Arrived at EDR: 12/01/2014 Date Made Active in Reports: 01/27/2015

Number of Days to Update: 57

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 03/13/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 01/06/2015 Date Data Arrived at EDR: 01/09/2015 Date Made Active in Reports: 02/05/2015

Number of Days to Update: 27

Source: County of Sonoma Fire & Emergency Services Department

Telephone: 707-565-1174 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/02/2015 Date Data Arrived at EDR: 01/06/2015 Date Made Active in Reports: 02/03/2015

Number of Days to Update: 28

Source: Department of Health Services

Telephone: 707-565-6565 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/09/2015 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/18/2015

Number of Days to Update: 8

Source: Sutter County Department of Agriculture

Telephone: 530-822-7500 Last EDR Contact: 03/09/2015

Next Scheduled EDR Contact: 06/22/2015 Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/30/2015 Date Data Arrived at EDR: 02/03/2015 Date Made Active in Reports: 02/27/2015

Number of Days to Update: 24

Source: Divison of Environmental Health

Telephone: 209-533-5633 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 01/27/2015 Date Data Arrived at EDR: 02/19/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 12

Source: Ventura County Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 02/16/2015

Next Scheduled EDR Contact: 06/01/2015 Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011 Date Data Arrived at EDR: 12/01/2011 Date Made Active in Reports: 01/19/2012

Number of Days to Update: 49

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 01/05/2015

Next Scheduled EDR Contact: 04/20/2015 Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008 Date Data Arrived at EDR: 06/24/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 37

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 02/16/2015

Next Scheduled EDR Contact: 06/01/2015 Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/29/2014 Date Data Arrived at EDR: 01/30/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 32

Source: Ventura County Resource Management Agency

Telephone: 805-654-2813 Last EDR Contact: 01/26/2015

Next Scheduled EDR Contact: 05/11/2015 Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2015 Date Data Arrived at EDR: 03/18/2015 Date Made Active in Reports: 03/26/2015

Number of Days to Update: 8

Source: Environmental Health Division Telephone: 805-654-2813

Last EDR Contact: 03/18/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/18/2014 Date Data Arrived at EDR: 12/23/2014 Date Made Active in Reports: 01/27/2015

Number of Days to Update: 35

Source: Yolo County Department of Health

Telephone: 530-666-8646 Last EDR Contact: 03/23/2015

Next Scheduled EDR Contact: 07/06/2015 Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 02/17/2015 Date Data Arrived at EDR: 02/19/2015 Date Made Active in Reports: 03/03/2015

Number of Days to Update: 12

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523 Last EDR Contact: 02/16/2015

Next Scheduled EDR Contact: 05/18/2015

Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013 Date Data Arrived at EDR: 08/19/2013 Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 11/17/2014

Next Scheduled EDR Contact: 03/02/2015 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 07/19/2012 Date Made Active in Reports: 08/28/2012

Number of Days to Update: 40

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 01/12/2015

Next Scheduled EDR Contact: 04/27/2015 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2015 Date Data Arrived at EDR: 02/04/2015 Date Made Active in Reports: 02/27/2015

Number of Days to Update: 23

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 02/04/2015

Next Scheduled EDR Contact: 05/18/2015 Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 07/21/2014 Date Made Active in Reports: 08/25/2014

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 01/19/2015

Next Scheduled EDR Contact: 05/04/2015 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 07/15/2014 Date Made Active in Reports: 08/13/2014

Number of Days to Update: 29

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 02/23/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 06/20/2014 Date Made Active in Reports: 08/07/2014

Number of Days to Update: 48

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/13/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ETWD EL TORO RD LAGUNA WOODS, CA 92637

TARGET PROPERTY COORDINATES

Latitude (North): 33.6046 - 33° 36' 16.56" Longitude (West): 117.7468 - 117° 44' 48.48"

Universal Tranverse Mercator: Zone 11 UTM X (Meters): 430714.4 UTM Y (Meters): 3718373.0

Elevation: 397 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 33117-E6 SAN JUAN CAPISTRANO, CA

Most Recent Revision: 1981

West Map: 33117-E7 LAGUNA BEACH, CA

Most Recent Revision: 1981

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

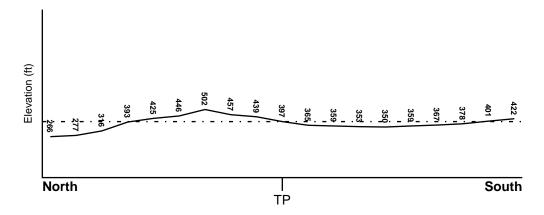
TOPOGRAPHIC INFORMATION

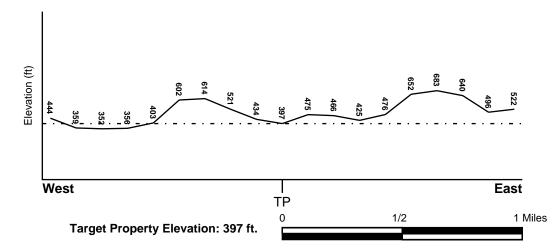
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

FEMA Flood Electronic Data

Target Property County ORANGE, CA

YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

06059C - FEMA DFIRM Flood data

Additional Panels in search area:

Not Reported

NATIONAL WETLAND INVENTORY

NWI Electronic

NWI Quad at Target Property SAN JUAN CAPISTRANO

Data Coverage

YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

	LOCATION	GENERAL DIRECTION
MAP ID	FROM TP	GROUNDWATER FLOW
1	1/4 - 1/2 Mile ENE	NW
2	1/2 - 1 Mile FNF	Varies

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

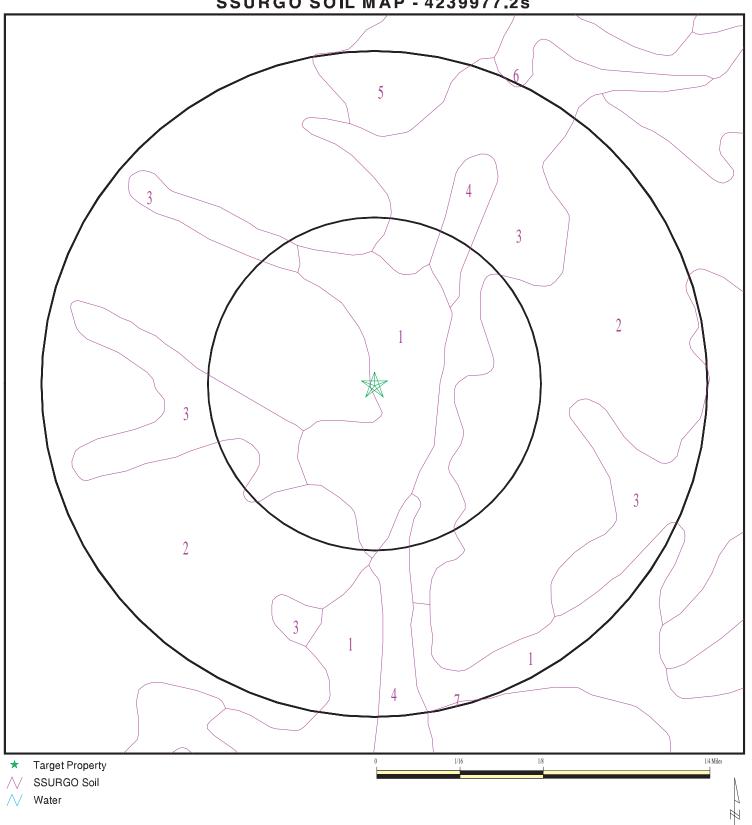
Era: Cenozoic Category: Stratifed Sequence

System: Tertiary Series: Eocene

Code: Te (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4239977.2s



SITE NAME: ETWD ADDRESS: EL TORO RD

Laguna Woods CA 92637 33.6046 / 117.7468 LAT/LONG:

CLIENT: Dudek & Associ CONTACT: Khristina Leyba INQUIRY #: 4239977.2s Dudek & Associates

DATE: March 30, 2015 9:07 am

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: CAPISTRANO

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information									
	Bou	ındary		Classi	fication	Saturated hydraulic	J Com Modernon		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec			
1	0 inches	27 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.6		
2	27 inches	64 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.6		

Soil Map ID: 2

Soil Component Name: SOPER

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information									
	Bou	ındary		Classification		Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)			
1	0 inches	3 inches	gravelly loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 6.1			
2	3 inches	20 inches	gravelly clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 7.8 Min: 6.1			
3	20 inches	24 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:			

Soil Map ID: 3

Soil Component Name: CAPISTRANO

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information								
	Вои	ındary	Soil Texture Class	Classi	fication	Saturated hydraulic conductivity micro m/sec		
Layer	Upper	Lower		AASHTO Group	Unified Soil			
1	0 inches	27 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.6	
2	27 inches	64 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.6	

Soil Map ID: 4

Soil Component Name: CHINO

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information								
	Boundary Classification		ication	Saturated hydraulic					
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)		
1	0 inches	24 inches	silty clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9		

	Soil Layer Information								
	Boundary Classification		ication	Saturated hydraulic					
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)		
2	24 inches	59 inches	sandy clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9		

Soil Map ID: 5

Soil Surface Texture:

Soil Component Name: MYFORD

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

sandy loam

water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information									
	Воц	ındary	Soil Texture Class	Classi	fication	Saturated hydraulic	Soil Reaction (pH)		
Layer	Upper	Lower		AASHTO Group	Unified Soil	conductivity micro m/sec			
1	0 inches	7 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6 Min: 5.1		
2	7 inches	11 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6		

	Soil Layer Information									
	Bou	ındary		Classification		Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)			
3	11 inches	20 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6			
4	20 inches	64 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 6.1			
5	64 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1			

Soil Map ID: 6

Soil Component Name: **CALLEGUAS**

Soil Surface Texture: clay loam

Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer. Hydrologic Group:

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information									
	Boundary			Classification		Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec				
1	0 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9			
2	14 inches	18 inches	weathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:			

Soil Map ID: 7

Soil Component Name: BOTELLA

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information									
	Вои	ındary	Classification		Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	lass AASHTO Group Unified Soil conductive	conductivity micro m/sec	J Com Modernon			
1	0 inches	7 inches	clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1		
2	7 inches	35 inches	silty clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 7.8 Min: 6.1		
3	35 inches	66 inches	sandy clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4		

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 0.001 miles

State Database 1.000

FEDERAL USGS WELL INFORMATION

LOCATION

MAP ID WELL ID FROM TP

No Wells Found

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

LOCATION

MAP ID WELL ID FROM TP

No PWS System Found

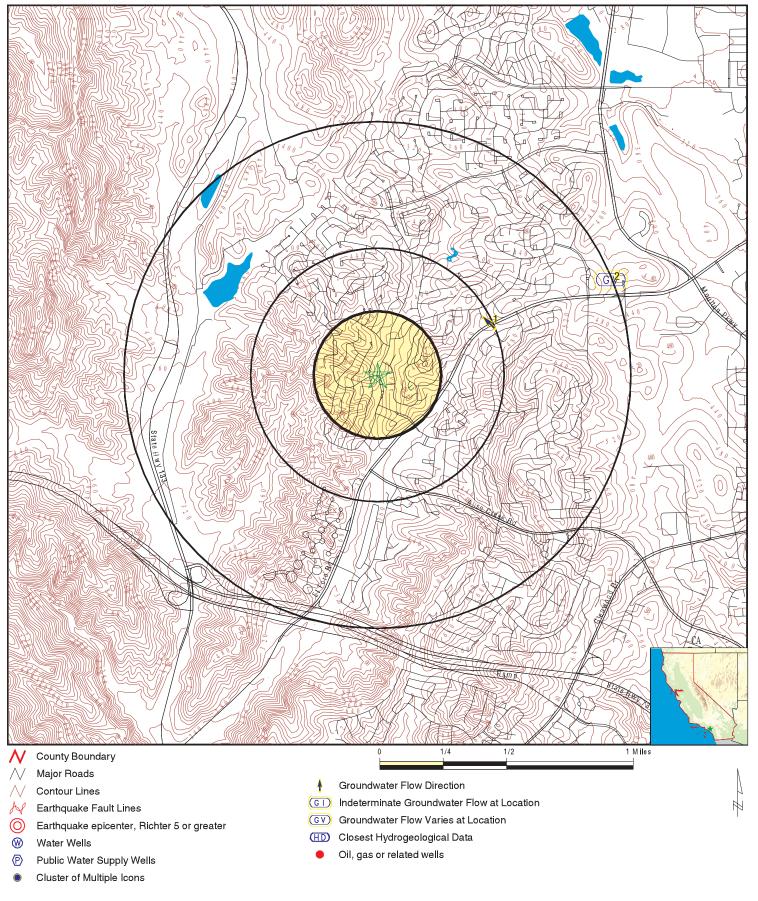
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

LOCATION MAP ID WELL ID FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 4239977.2s



SITE NAME: ETWD ADDRESS: EL TORO RD

Laguna Woods CA 92637 LAT/LONG: 33.6046 / 117.7468 CLIENT: Dudek & Associates CONTACT: Khristina Leyba

INQUIRY #: 4239977.2s DATE: March 30, 2015 9:07 am

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation EDR ID Number Database 1 ENE 1/4 - 1/2 Mile Higher 083000362T Site ID: **AQUIFLOW** 65100 Groundwater Flow: NWShallow Water Depth: 15 Deep Water Depth: 23 Average Water Depth: Not Reported Date: 02/26/1999

2 ENE 1/2 - 1 Mile Higher Site ID: 083001078T
Groundwater Flow: Varies
Shallow Water Depth: 14.43
Deep Water Depth: 27.41
Average Water Depth: Not Reported
Date: 06/30/1998

AQUIFLOW 68209

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92637	8	0

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ORANGE COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor Living Area - 2nd Floor	0.763 pCi/L Not Reported	100% Not Reported	0% Not Reported	0% Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map. USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208 Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

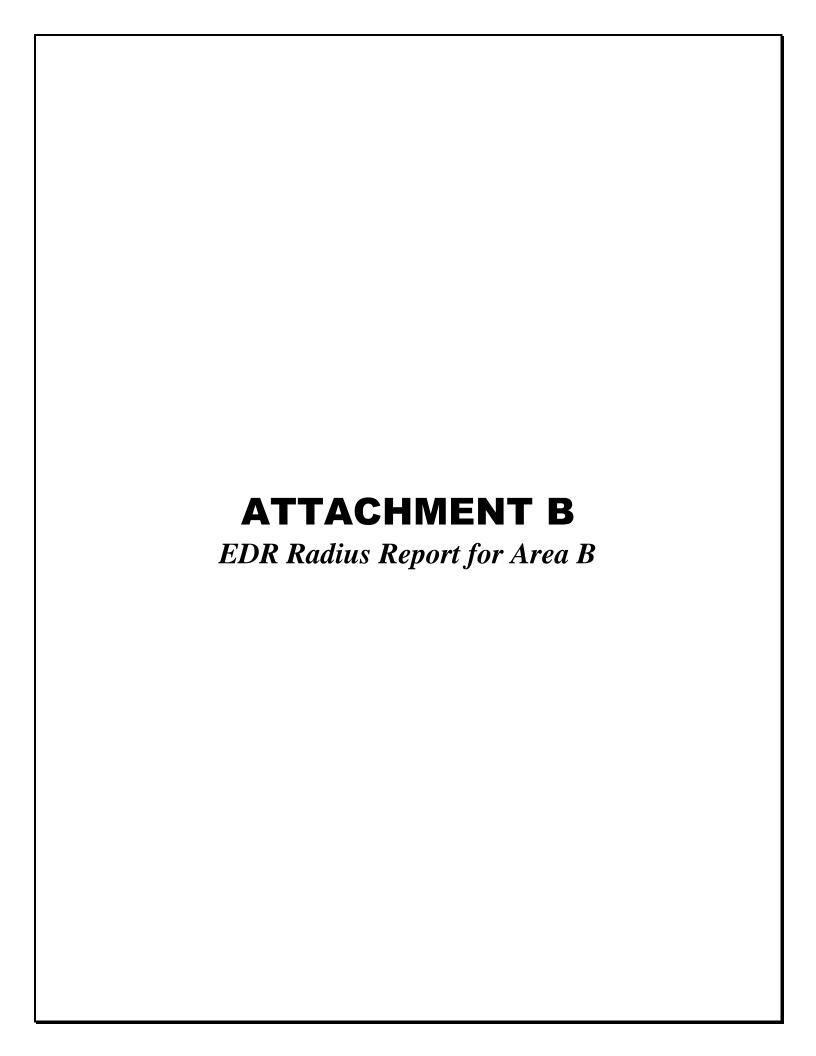
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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ETWD - Phase II Expansion EL TORO RD Laguna Woods, CA 92637

Inquiry Number: 4394915.2s

August 28, 2015

The EDR Radius Map™ Report with GeoCheck®

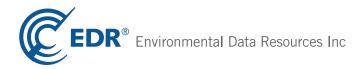


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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

EL TORO RD LAGUNA WOODS, CA 92637

COORDINATES

Latitude (North): 33.6153000 - 33° 36′ 55.08″ Longitude (West): 117.7144000 - 117° 42′ 51.84″

Universal Tranverse Mercator: Zone 11 UTM X (Meters): 433728.7 UTM Y (Meters): 3719538.0

Elevation: 363 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5641316 SAN JUAN CAPISTRANO, CA

Version Date: 2012

North Map: 5636489 EL TORO, CA

Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120527 Source: USDA

MAPPED SITES SUMMARY

Target Property Address: EL TORO RD LAGUNA WOODS, CA 92637

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS		RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	NICK ONUF	2092 RONDA GRANADA U	HAZNET		TP
A2	CARMEN BRIAS	2100 RONDA GRANADA U	HAZNET		TP
A3	RICHARD WILLIAMS	2163 MARIPOSA EAST	HAZNET		TP
A4		2153 RONDA GRANADA,	CHMIRS		TP
B5	OR CO FIRE STATION #	24001 PASEO DE VALEN	SWEEPS UST	Higher	390, 0.074, SSE
B6	ORANGE COUNTY FIRE S	24001 PASEO DE VALEN	LUST	Higher	390, 0.074, SSE
B7	ORANGE COUNTY FIRE S	24001 PASEO DE VALEN	LUST, HIST UST	Higher	390, 0.074, SSE
B8	OR CO FIRE STATION #	24001 PASEO DE VALEN	UST	Higher	390, 0.074, SSE
B9	ORANGE CO. FIRE STAT	24001	CA FID UST, HIST CORTESE	Higher	406, 0.077, SE
B10		24001 PASEO DE VALEN	AST	Higher	411, 0.078, SE
B11	AMERICAN SAVINGS BAN	24085 EL TORO RD	LUST, HIST CORTESE	Higher	447, 0.085, SSE
12	ALLIED MICRO-GRAPHIC	23461 RIDGE ROUTE DR	DRYCLEANERS	Lower	473, 0.090, NNW
B13	CHEVRON	24081 EL TORO RD	LUST	Higher	527, 0.100, SSE
B14	LAGUNA HILLS CHEVRON	24081 EL TORO RD	LUST, CA FID UST, Orange Co. Industrial Site, HIST	Higher	527, 0.100, SSE
B15	LAGUNA HILLS CHEVRON	24081 EL TORO RD	UST, SWEEPS UST	Higher	527, 0.100, SSE
B16	99384	24081 EL TORO RD	HIST UST	Higher	527, 0.100, SSE
C17		23621 RIDGE ROUTE D	EDR US Hist Cleaners	Lower	578, 0.109, NW
D18	HOME FEDERAL SAVINGS	23941 AVENEDA DE LA	LUST, SLIC, HIST CORTESE	Higher	605, 0.115, East
E19	UNION OIL SERV. STAT	24082 EL TORO RD	HIST UST	Higher	643, 0.122, SSE
E20	UNOCAL	24082 EL TORO	LUST	Higher	643, 0.122, SSE
E21	UNOCAL #5408	24082 EL TORO RD	SWEEPS UST	Higher	643, 0.122, SSE
E22	STATION #5408	24082 EL TORO RD	HIST UST	Higher	643, 0.122, SSE
E23	LAGUNA HILLS CIRCLE	24082 EL TORO RD	UST	Higher	643, 0.122, SSE
E24	UNOCAL	24082 EL TORO RD	LUST	Higher	643, 0.122, SSE
E25	UNOCAL #5408	24082	CA FID UST, HIST CORTESE	Higher	643, 0.122, SSE
C26		23561 RIDGE ROUTE D	EDR US Hist Auto Stat	Lower	731, 0.138, NW
C27		23561 RIDGE ROUTE D	EDR US Hist Cleaners	Lower	731, 0.138, NW
28	JACKS CAMERAS	23811 BRIDGER RD	RCRA-SQG, FINDS	Higher	762, 0.144, ENE
F29	CVS PHARMACY #9246	24167 PASEO DE VALEN	RCRA-LQG	Higher	820, 0.155, SSE
D30	SHELL OIL	23971 EL TORO RD	LUST	Higher	863, 0.163, East
D31	SHELL (4056-0207)	23971 EL TORO RD	UST	Higher	863, 0.163, East
D32		23971 EL TORO RD	EDR US Hist Auto Stat	Higher	863, 0.163, East
D33	SHELL OIL CO	23971 EL TORO/ CARLO	RCRA-SQG, LUST, HIST UST, CA FID UST, HIST CORTES	SE Higher	863, 0.163, East
D34	SHELL #23971	23971 EL TORO RD	LUST	Higher	863, 0.163, East
D35	SHELL (4056-0207)	23971 EL TORO RD	SWEEPS UST	Higher	863, 0.163, East
F36	VALENCIA SHOPPING CE	24191 PASEO DE VALEN	SLIC	Higher	901, 0.171, SSE
37	NEXCYCLE	24270 EL TORO RD	SWRCY	Lower	904, 0.171, WSW
F38		24191 PASEO DE VALE	EDR US Hist Cleaners	Higher	911, 0.173, SSE
G39	G&M OIL CO STATION #	23991 EL TORO ROAD	LUST, ENF, HIST CORTESE	Higher	925, 0.175, ESE

MAPPED SITES SUMMARY

Target Property Address: EL TORO RD LAGUNA WOODS, CA 92637

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	WRIGHT OIL #9	23991 EL TORO RD	HIST UST	Higher	925, 0.175, ESE
G41	G & M OIL CO INC #40	23991 EL TORO RD	UST, SWEEPS UST	Higher	925, 0.175, ESE
G42	TRANS-TECH RESOURCES	23991 EL TORO ROAD	CERC-NFRAP	Higher	925, 0.175, ESE
G43	WRIGHT PETROLEUM	23991 EL TORO RD	LUST, CA FID UST, HIST CORTESE	Higher	925, 0.175, ESE
G44	TEXACO	23991 EL TORO RD	HIST UST	Higher	925, 0.175, ESE
45	GLIDDEN COMPANY	23501 AVENIDA DE LA	RCRA-SQG, FINDS	Lower	1020, 0.193, North
46		23741 CAVANAUGH RD	EDR US Hist Auto Stat	Higher	1065, 0.202, ENE
47		23521 PASEO DE VALE	EDR US Hist Cleaners	Higher	1103, 0.209, SSE
H48	1 800 DRY CLEAN	23561 RIDGE ROUTE DR	DRYCLEANERS	Lower	1106, 0.209, NW
H49	CUSTOM COLOR PHOTO L	23561 RIDGE ROUTE ST	RCRA-SQG, FINDS	Lower	1106, 0.209, NW
G50	ARCO #3079/CAROLOTA	24012	HIST CORTESE	Higher	1184, 0.224, ESE
G51	FORMER ARCO FACILITY	24012 AVENIDA DE LA	LUST	Higher	1184, 0.224, ESE
G52	ARCO #3079	24012 AVENIDA DE LA	LUST, HIST CORTESE	Higher	1184, 0.224, ESE
153	SADDLEBACK VALLEY CO	23502-A COMMERCE CEN	RCRA-SQG	Lower	1239, 0.235, NNW
154	LEW WEBB'S IRVINE NI	23522 COMMERCE CENTE	RCRA-SQG, FINDS	Lower	1243, 0.235, NNW
155		23522 COMMERCE CENT	EDR US Hist Auto Stat	Lower	1243, 0.235, NNW
I56		23512 COMMERCE CENT	EDR US Hist Auto Stat	Lower	1244, 0.236, NNW
157		23502 COMMERCE CENT	EDR US Hist Auto Stat	Lower	1245, 0.236, NNW
I58	CORVETTE TECHNOLOGY	23551 COMMERCE CENTE	RCRA-SQG, FINDS	Lower	1251, 0.237, NNW
159	IMPORT MASTERS AUTO	23551 COMMERCE CENTE	RCRA-SQG, FINDS	Lower	1251, 0.237, NNW
I60	WATKINS AUTOMOTIVE	23551 COMMERCE CTR D	RCRA-SQG, FINDS, HAZNET	Lower	1251, 0.237, NNW
I61		23551 COMMERCE CENT	EDR US Hist Auto Stat	Lower	1251, 0.237, NNW
l62		23513 COMMERCE CENT	EDR US Hist Auto Stat	Lower	1254, 0.237, NNW
163	VIKING INDEPENDENT I	23501 COMMERCE CENTE	RCRA NonGen / NLR, FINDS	Lower	1256, 0.238, NNW
I64	VIKING INDEPENDENT I	23501 COMMERCE CENTE	RCRA NonGen / NLR	Lower	1256, 0.238, NNW
165		23501 COMMERCE CENT	EDR US Hist Auto Stat	Lower	1256, 0.238, NNW
I66	SADDLEBACK COLLISION	23501 COMMERCE CENTE	RCRA-SQG, FINDS	Lower	1256, 0.238, NNW
J67		24300 LAGUNA HILLS	AST	Lower	1303, 0.247, ESE
J68	SEARS #6788/1548	24300 LAGUNA HILLS M	RCRA-LQG, HIST UST	Lower	1303, 0.247, ESE
J69		24300 LAGUNA HILLS	EDR US Hist Auto Stat	Lower	1303, 0.247, ESE
J70	TIME O MAX 1 HOUR PH	24199 LAGUNA HILLS M	RCRA-SQG, FINDS	Lower	1305, 0.247, SE
J71	TIME O MAX 1 HOUR PH	24199 LAGUNA HILLS M	RCRA-SQG	Lower	1305, 0.247, SE
K72	EL TORO CHEVRON	23891 BRIDGER RD	UST	Higher	1311, 0.248, East
K73		23891 BRIDGER RD	EDR US Hist Auto Stat	Higher	1311, 0.248, East
K74	CHEVRON INC (9-0141)	23891 BRIDGER RD	UST	Higher	1315, 0.249, East
K75	CHEVRON SERVICE STAT	23891 BRIDGER	LUST, SWEEPS UST, HIST CORTESE	Higher	1315, 0.249, East
K76	90141	23891 BRIDGER RD	HIST UST	Higher	1315, 0.249, East
J77	FIRESTONE STORE	24196 LAGUNA HILLS M	HIST UST, CA FID UST	Lower	1315, 0.249, SE
J78	THE TIRE STATION	24196 LAGUNA HILLS M	UST	Lower	1315, 0.249, SE

MAPPED SITES SUMMARY

Target Property Address: EL TORO RD LAGUNA WOODS, CA 92637

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J79	SITE INAIVIE	24196 LAGUNA HILLS	EDR US Hist Auto Stat	Lower	1315, 0.249, SE
J80	FIRESTONE STORE #27F	24196 LAGUNA HILLS M	SWEEPS UST	Lower	1315, 0.249, SE
L81	MOBIL OIL	23771 EL TORO	LUST, HIST CORTESE	Higher	1438, 0.272, ENE
L82	MOBIL OIL	23771 EL TORO	LUST, SWEEPS UST, CHMIRS, HIST CORTESE	Higher	1438, 0.272, ENE
M83	USA PETROLEUM #825	23852 EL TORO	LUST, ENF	Higher	1608, 0.305, East
M84	SHELL OIL	23842 EL TORO RD	LUST	Higher	1710, 0.324, East
N85	MOBIL #18-HKF	24362 EL TORO	LUST	Higher	1723, 0.326, WSW
N86	MOBIL #18-HKF	24362	CA FID UST, HIST CORTESE	Higher	1724, 0.327, WSW
O87	MERCURY CLEANERS	23804 MERCURY ROAD	SLIC	Lower	2042, 0.387, North
O88	ROCKFIELD SHOWPLACE,	23804 MERCURY RD	SLIC, DRYCLEANERS	Lower	2042, 0.387, North
89	UNOCAL #4966	24201 EL TORO RD	LUST, SWEEPS UST	Higher	2070, 0.392, WSW
P90	UNOCAL #4966	24201 EL TORO RD # 4	LUST, UST	Higher	2108, 0.399, ENE
Q91	THE SHOPS AT LAKE FO	24312-24422 ROCKFIEL	SLIC	Higher	2129, 0.403, East
P92	TEXACO	23751 EL TORO	LUST	Higher	2149, 0.407, ENE
P93	TEXACO SERVICE STATI	23751 EL TORO	HIST CORTESE	Higher	2161, 0.409, ENE
94	FACILITY 4110-1	23332 PERALTA	HIST CORTESE	Lower	2193, 0.415, NW
Q95	ARCO #3013	23742 EL TORO RD	LUST, UST, SWEEPS UST	Higher	2227, 0.422, ENE
Q 96	ARCO #3013	23742	HIST CORTESE	Higher	2227, 0.422, ENE
Q97	THE SHOPS AT LAKE FO	24336 ROCKFIELD	SLIC	Higher	2251, 0.426, East
98	RA MOULTON GAS & MAR	24181 MOULTON PKWY	LUST, UST	Higher	2404, 0.455, WSW
R99	SILVER DRY CLEANERS	23684 EL TORO RD STE	RCRA-SQG, SLIC, Orange Co. Industrial Site, FINDS	Higher	2532, 0.480, ENE
R100	SADDLEBACK VALLEY PL	23684 EL TORO ROAD -	SLIC	Higher	2532, 0.480, ENE
101	PROTHERO ENTERPRISES	23512-23532 EL TORO	ENVIROSTOR, VCP	Higher	4354, 0.825, ENE
102	LOS ALISOS & SANTA A		Notify 65	Higher	4789, 0.907, ESE

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
NICK ONUF 2092 RONDA GRANADA U LAGUNA WOODS, CA 92637	HAZNET GEPAID: CAC002729377	N/A
CARMEN BRIAS 2100 RONDA GRANADA U LAGUNA WOODS, CA 92637	HAZNET GEPAID: CAC002753552	N/A
RICHARD WILLIAMS 2163 MARIPOSA EAST LAGUNA WOODS, CA 92637	HAZNET GEPAID: CAC002666565	N/A
2153 RONDA GRANADA, 2153 RONDA GRANADA, UNINCORPORATED COUNTY AREA, C	CHMIRS OES Incident Number: 3-4289 A 91770	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list CORRACTS...... Corrective Action Report Federal RCRA non-CORRACTS TSD facilities list RCRA-TSDF...... RCRA - Treatment, Storage and Disposal Federal RCRA generators list RCRA-CESQG...... RCRA - Conditionally Exempt Small Quantity Generator Federal institutional controls / engineering controls registries LUCIS...... Land Use Control Information System US ENG CONTROLS...... Engineering Controls Sites List US INST CONTROL..... Sites with Institutional Controls Federal ERNS list ERNS..... Emergency Response Notification System State- and tribal - equivalent NPL RESPONSE...... State Response Sites State and tribal landfill and/or solid waste disposal site lists SWF/LF..... Solid Waste Information System State and tribal leaking storage tank lists INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land State and tribal registered storage tank lists FEMA UST..... Underground Storage Tank Listing INDIAN UST...... Underground Storage Tanks on Indian Land State and tribal voluntary cleanup sites Voluntary Cleanup Program Properties INDIAN VCP..... Voluntary Cleanup Priority Listing State and tribal Brownfields sites BROWNFIELDS..... Considered Brownfieds Sites Listing ADDITIONAL ENVIRONMENTAL RECORDS Local Brownfield lists US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database HAULERS...... Registered Waste Tire Haulers Listing

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... National Clandestine Laboratory Register

HIST Cal-Sites Database

SCH......School Property Evaluation Program

CDL..... Clandestine Drug Labs

Local Land Records

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

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

LDS..... Land Disposal Sites Listing MCS..... Military Cleanup Sites Listing Orange Co. Industrial Site ____ List of Industrial Site Cleanups SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites

DOD..... Department of Defense Sites

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION...... 2020 Corrective Action Program List

TSCA...... Toxic Substances Control Act

TRIS...... Toxic Chemical Release Inventory System

SSTS..... Section 7 Tracking Systems ROD...... Records Of Decision

RMP..... Risk Management Plans RAATS_____RCRA Administrative Action Tracking System

PRP..... Potentially Responsible Parties PADS...... PCB Activity Database System

ICIS...... Integrated Compliance Information System

Act)/TSCA (Toxic Substances Control Act)

..... Material Licensing Tracking System COAL ASH DOE..... Steam-Electric Plant Operation Data

COAL ASH EPA...... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS..... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

INDIAN RESERV..... Indian Reservations UMTRA..... Uranium Mill Tailings Sites LEAD SMELTERS.... Lead Smelter Sites

US AIRS...... Aerometric Information Retrieval System Facility Subsystem

US MINES..... Mines Master Index File

FINDS......Facility Index System/Facility Registry System

CA BOND EXP. PLAN..... Bond Expenditure Plan

Cortese "Cortese" Hazardous Waste & Substances Sites List

Financial Assurance Financial Assurance Information Listing HWP EnviroStor Permitted Facilities Listing

HWT...... Registered Hazardous Waste Transporter Database

MINES..... Mines Site Location Listing

MWMP..... Medical Waste Management Program Listing

NPDES Permits Listing

PEST LIC...... Pesticide Regulation Licenses Listing

PROC..... Certified Processors Database

UIC...... UIC Listing

WASTEWATER PITS..... Oil Wastewater Pits Listing WDS..... Waste Discharge System

WIP..... Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

Sites listed in bold italics are in multiple databases.

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

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. 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.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRANS-TECH RESOURCES	23991 EL TORO ROAD	ESE 1/8 - 1/4 (0.175 mi.)	G42	100

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/10/2015 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CVS PHARMACY #9246	24167 PASEO DE VALEN	SSE 1/8 - 1/4 (0.155 mi.)	F29	37
Lower Elevation	Address	Direction / Distance	Map ID	Page
SEARS #6788/1548	24300 LAGUNA HILLS M	ESE 1/8 - 1/4 (0.247 mi.)	J68	129

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/10/2015 has revealed that there are 12 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JACKS CAMERAS	23811 BRIDGER RD	ENE 1/8 - 1/4 (0.144 mi.)	28	36
SHELL OIL CO	23971 EL TORO/ CARLO	E 1/8 - 1/4 (0.163 mi.)	D33	44
Lower Elevation	Address	Direction / Distance	Map ID	Page
GLIDDEN COMPANY	23501 AVENIDA DE LA	N 1/8 - 1/4 (0.193 mi.)	45	105

Lower Elevation	Address	Direction / Distance	Map ID	Page
CUSTOM COLOR PHOTO L	23561 RIDGE ROUTE ST	NW 1/8 - 1/4 (0.209 mi.)	H49	108
SADDLEBACK VALLEY CO	23502-A COMMERCE CEN	NNW 1/8 - 1/4 (0.235 mi.)	153	112
LEW WEBB'S IRVINE NI	23522 COMMERCE CENTE	NNW 1/8 - 1/4 (0.235 mi.)	<i>154</i>	113
CORVETTE TECHNOLOGY	23551 COMMERCE CENTE	NNW 1/8 - 1/4 (0.237 mi.)	<i>1</i> 58	117
IMPORT MASTERS AUTO	23551 COMMERCE CENTE	NNW 1/8 - 1/4 (0.237 mi.)	<i>1</i> 59	118
WATKINS AUTOMOTIVE	23551 COMMERCE CTR D	NNW 1/8 - 1/4 (0.237 mi.)	<i>160</i>	120
SADDLEBACK COLLISION	23501 COMMERCE CENTE	NNW 1/8 - 1/4 (0.238 mi.)	<i>1</i> 66	127
TIME O MAX 1 HOUR PH	24199 LAGUNA HILLS M	SE 1/8 - 1/4 (0.247 mi.)	J70	133
TIME O MAX 1 HOUR PH	24199 LAGUNA HILLS M	SE 1/8 - 1/4 (0.247 mi.)	J71	134

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 05/04/2015 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PROTHERO ENTERPRISES Facility Id: 60001482 Status: Refer: Local Agency	23512-23532 EL TORO	ENE 1/2 - 1 (0.825 mi.)	101	200

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 06/15/2015 has revealed that there are 26 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORANGE COUNTY FIRE S Facility Status: Case Closed Global ID: T0605901687	24001 PASEO DE VALEN	SSE 0 - 1/8 (0.074 mi.)	В6	11
ORANGE COUNTY FIRE S Status: Completed - Case Closed Facility Id: 93UT062	24001 PASEO DE VALEN	SSE 0 - 1/8 (0.074 mi.)	B7	12

Global Id: T0605901687 Current Status: 9				
AMERICAN SAVINGS BAN Status: Completed - Case Closed Facility Id: 94UT017 Facility Status: Case Closed Status: Preliminary site assessment workp Global Id: T0605901761 Current Status: 9 Global ID: T0605901761 Case Number: 9UT3188	24085 EL TORO RD blan submitted	SSE 0 - 1/8 (0.085 mi.)	B11	16
CHEVRON Facility Id: 85UT106 Facility Status: Post remedial action monit Current Status: 9 Global ID: T0605900087	24081 EL TORO RD oring	SSE 0 - 1/8 (0.100 mi.)	B13	20
LAGUNA HILLS CHEVRON Status: Completed - Case Closed Global Id: T0605900087	24081 EL TORO RD	SSE 0 - 1/8 (0.100 mi.)	B14	21
HOME FEDERAL SAVINGS Facility Status: Case Closed Global ID: T0605900630	23941 AVENEDA DE LA	E 0 - 1/8 (0.115 mi.)	D18	27
UNOCAL Status: Completed - Case Closed Global Id: T0605901215	24082 EL TORO	SSE 0 - 1/8 (0.122 mi.)	E20	29
UNOCAL Facility Id: 90UT056 Facility Status: Post remedial action monit Current Status: 9 Global ID: T0605901215	24082 EL TORO RD oring	SSE 0 - 1/8 (0.122 mi.)	E24	33
SHELL OIL Facility Id: 86UT103 Current Status: 9	23971 EL TORO RD	E 1/8 - 1/4 (0.163 mi.)	D30	43
SHELL OIL CO Status: Open - Verification Monitoring Status: Completed - Case Closed Facility Status: Case Closed Global Id: T0605900287 Global Id: T0605914410 Global ID: T0605914410	23971 EL TORO/ CARLO	E 1/8 - 1/4 (0.163 mi.)	D33	44
SHELL #23971 Facility Status: Remedial action (cleanup) Global ID: T0605900287	23971 EL TORO RD Underway	E 1/8 - 1/4 (0.163 mi.)	D34	64
G&M OIL CO STATION # Status: Open - Remediation Global Id: T0605900466	23991 EL TORO ROAD	ESE 1/8 - 1/4 (0.175 mi.)	G39	69
WRIGHT PETROLEUM Facility Status: Pollution Characterization Global ID: T0605900466	23991 EL TORO RD	ESE 1/8 - 1/4 (0.175 mi.)	G43	100
FORMER ARCO FACILITY Status: Preliminary site assessment under	24012 AVENIDA DE LA way	ESE 1/8 - 1/4 (0.224 mi.)	G51	109

Case Number: 9UT4011				
ARCO #3079	24012 AVENIDA DE LA	ESE 1/8 - 1/4 (0.224 mi.)	G52	110
Status: Completed - Case Closed Global Id: T0605902581				
CHEVRON SERVICE STAT Status: Completed - Case Closed Facility Id: 90UT201 Facility Id: 90UT102 Facility Status: Case Closed Global Id: T0605901255 Global Id: T0605906266 Current Status: 9 Global ID: T0605901255 Global ID: T0605906266	23891 BRIDGER	E 1/8 - 1/4 (0.249 mi.)	K75	137
MOBIL OIL Status: Completed - Case Closed Status: Open - Site Assessment Facility Id: 98UT091 Facility Id: 86UT087 Global Id: T0605900211 Global Id: T0605902221 Current Status: 9	23771 EL TORO	ENE 1/4 - 1/2 (0.272 mi.)	L81	148
MOBIL OIL	23771 EL TORO	ENE 1/4 - 1/2 (0.272 mi.)	L82	153
Facility Status: Case Closed Facility Status: Preliminary site assessmer Global ID: T0605900211 Global ID: T0605902221	nt underway			
USA PETROLEUM #825 Status: Completed - Case Closed Facility Id: 03UT024 Facility Id: 88UT067 Facility Status: Case Closed Global Id: T0605900965 Global Id: T0605936712 Current Status: 9 Global ID: T0605900965	23852 EL TORO	E 1/4 - 1/2 (0.305 mi.)	М83	158
Status: Completed - Case Closed Facility Id: 03UT024 Facility Id: 88UT067 Facility Status: Case Closed Global Id: T0605900965 Global Id: T0605936712 Current Status: 9	23842 EL TORO RD	E 1/4 - 1/2 (0.305 mi.) E 1/4 - 1/2 (0.324 mi.)	M83	1 58
Status: Completed - Case Closed Facility Id: 03UT024 Facility Id: 88UT067 Facility Status: Case Closed Global Id: T0605900965 Global Id: T0605936712 Current Status: 9 Global ID: T0605900965 SHELL OIL Status: Completed - Case Closed Facility Id: 99UT030 Facility Status: Pollution Characterization Global Id: T0605902278 Current Status: 9	23842 EL TORO RD 24362 EL TORO		M84	
Status: Completed - Case Closed Facility Id: 03UT024 Facility Id: 88UT067 Facility Status: Case Closed Global Id: T0605900965 Global Id: T0605936712 Current Status: 9 Global ID: T0605900965 SHELL OIL Status: Completed - Case Closed Facility Id: 99UT030 Facility Status: Pollution Characterization Global Id: T0605902278 Current Status: 9 Global ID: T0605902278 MOBIL #18-HKF Status: Completed - Case Closed Facility Status: Post remedial action monit Global Id: T0605901214	23842 EL TORO RD 24362 EL TORO pring 24201 EL TORO RD	E 1/4 - 1/2 (0.324 mi.)	M84 N85	165

Status: Completed - Case Closed

Facility Id: 93UT020 Global Id: T0605902479 Current Status: 9

TEXACO 23751 EL TORO ENE 1/4 - 1/2 (0.407 mi.) P92 180

Status: Completed - Case Closed

Facility Id: 86UT218
Facility Id: 03UT020
Facility Status: Case Closed
Global Id: T0605986985
Global Id: T0605900581
Current Status: 9
Global ID: T0605900581

ARCO #3013 23742 EL TORO RD ENE 1/4 - 1/2 (0.422 mi.) Q95 187

Status: Open - Site Assessment

Facility Id: 91UT105

Facility Status: Remedial action (cleanup) Underway

Global Id: T0605901431 Current Status: 8 Global ID: T0605901431

RA MOULTON GAS & MAR 24181 MOULTON PKWY WSW 1/4 - 1/2 (0.455 mi.) 98 193

Status: Open - Remediation Facility Id: 01UT001

Facility Status: Pollution Characterization

Global Id: T060594895 Global ID: T060594895

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 06/15/2015 has revealed that there are 8 SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOME FEDERAL SAVINGS Facility Status: Completed - Case Closed Global Id: T0605900630	23941 AVENEDA DE LA	E 0 - 1/8 (0.115 mi.)	D18	27
VALENCIA SHOPPING CE Facility Status: Completed - Case Closed Facility Status: Closed Global Id: SLT8R2344011	24191 PASEO DE VALEN	SSE 1/8 - 1/4 (0.171 mi.)	F36	68
THE SHOPS AT LAKE FO Facility Status: Open - Remediation Global Id: SL208213876	24312-24422 ROCKFIEL	E 1/4 - 1/2 (0.403 mi.)	Q91	178
THE SHOPS AT LAKE FO Facility Status: Post-Investigation/Remedi	24336 ROCKFIELD attention Monitoring	E 1/4 - 1/2 (0.426 mi.)	Q97	193
SILVER DRY CLEANERS Facility Status: Open - Site Assessment Global Id: SL0605942036	23684 EL TORO RD STE	ENE 1/4 - 1/2 (0.480 mi.)	R99	197
SADDLEBACK VALLEY PL Facility Status: Additional Characterization	23684 EL TORO ROAD - n Underway	ENE 1/4 - 1/2 (0.480 mi.)	R100	200
Lower Elevation	Address	Direction / Distance	Map ID	Page
MERCURY CLEANERS	23804 MERCURY ROAD	N 1/4 - 1/2 (0.387 mi.)	O87	173

Facility Status: Additional Characterization Underway

ROCKFIELD SHOWPLACE, 23804 MERCURY RD N 1/4 - 1/2 (0.387 mi.) O88 173

Facility Status: Open - Remediation Global Id: SL0605971766

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 06/15/2015 has revealed that there are 8 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OR CO FIRE STATION # Facility Id: 6070	24001 PASEO DE VALEN	SSE 0 - 1/8 (0.074 mi.)	B8	15
LAGUNA HILLS CHEVRON Facility Id: 7791	24081 EL TORO RD	SSE 0 - 1/8 (0.100 mi.)	B15	23
LAGUNA HILLS CIRCLE Facility Id: FA0065128 Facility Id: 2185	24082 EL TORO RD	SSE 0 - 1/8 (0.122 mi.)	E23	33
SHELL (4056-0207) Facility Id: FA0052519 Facility Id: 2183	23971 EL TORO RD	E 1/8 - 1/4 (0.163 mi.)	D31	43
G & M OIL CO INC #40 Facility Id: FA0024216 Facility Id: 4836	23991 EL TORO RD	ESE 1/8 - 1/4 (0.175 mi.)	G41	98
EL TORO CHEVRON Facility Id: FA0024983	23891 BRIDGER RD	E 1/8 - 1/4 (0.248 mi.)	K72	135
CHEVRON INC (9-0141) Facility Id: 2094	23891 BRIDGER RD	E 1/8 - 1/4 (0.249 mi.)	K74	137
Lower Elevation	Address	Direction / Distance	Map ID	Page
THE TIRE STATION Facility Id: 4838	24196 LAGUNA HILLS M	SE 1/8 - 1/4 (0.249 mi.)	J78	147

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, and dated 08/01/2009 has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	24001 PASEO DE VALEN	SE 0 - 1/8 (0.078 mi.)	B10	16
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	24300 LAGUNA HILLS	ESE 1/8 - 1/4 (0.247 mi.)	J67	129

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 06/15/2015 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEXCYCLE	24270 EL TORO RD	WSW 1/8 - 1/4 (0.171 mi.)	37	68
Cert Id: RC6530				

Local Lists of Registered Storage Tanks

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 7 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OR CO FIRE STATION # Status: A Tank Status: A Comp Number: 6070	24001 PASEO DE VALEN	SSE 0 - 1/8 (0.074 mi.)	B5	11
LAGUNA HILLS CHEVRON Status: A Tank Status: A Comp Number: 7791	24081 EL TORO RD	SSE 0 - 1/8 (0.100 mi.)	B15	23
UNOCAL #5408 Status: A Tank Status: A Comp Number: 2185	24082 EL TORO RD	SSE 0 - 1/8 (0.122 mi.)	E21	31
SHELL (4056-0207) Status: A Tank Status: A Comp Number: 2183	23971 EL TORO RD	E 1/8 - 1/4 (0.163 mi.)	D35	65
G & M OIL CO INC #40 Status: A Tank Status: A Comp Number: 4836	23991 EL TORO RD	ESE 1/8 - 1/4 (0.175 mi.)	G41	98
CHEVRON SERVICE STAT Status: A Tank Status: A Comp Number: 2094	23891 BRIDGER	E 1/8 - 1/4 (0.249 mi.)	K75	137
Lower Elevation	Address	Direction / Distance	Map ID	Page
FIRESTONE STORE #27F	24196 LAGUNA HILLS M	SE 1/8 - 1/4 (0.249 mi.)	J80	148

Status: A Tank Status: A Comp Number: 4838

HIST UST: Historical UST Registered Database.

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORANGE COUNTY FIRE S Facility Id: 00000027202	24001 PASEO DE VALEN	SSE 0 - 1/8 (0.074 mi.)	B7	12
99384 Facility Id: 00000063203	24081 EL TORO RD	SSE 0 - 1/8 (0.100 mi.)	B16	25
UNION OIL SERV. STAT Facility Id: 00000020047	24082 EL TORO RD	SSE 0 - 1/8 (0.122 mi.)	E19	29
STATION #5408 Facility Id: 00000043709	24082 EL TORO RD	SSE 0 - 1/8 (0.122 mi.)	E22	32
SHELL OIL CO Facility Id: 00000016230	23971 EL TORO/ CARLO	E 1/8 - 1/4 (0.163 mi.)	D33	44
WRIGHT OIL #9 Facility Id: 00000043924	23991 EL TORO RD	ESE 1/8 - 1/4 (0.175 mi.)	G40	97
TEXACO Facility Id: 00000004509	23991 EL TORO RD	ESE 1/8 - 1/4 (0.175 mi.)	G44	102
90141 Facility Id: 00000061733	23891 BRIDGER RD	E 1/8 - 1/4 (0.249 mi.)	K76	145
Lower Elevation	Address	Direction / Distance	Map ID	Page
SEARS #6788/1548 Facility Id: 00000021555	24300 LAGUNA HILLS M	ESE 1/8 - 1/4 (0.247 mi.)	J68	129
FIRESTONE STORE Facility Id: 00000031872	24196 LAGUNA HILLS M	SE 1/8 - 1/4 (0.249 mi.)	J77	146

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

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 6 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORANGE CO. FIRE STAT Facility Id: 30007979 Status: A	24001	SE 0 - 1/8 (0.077 mi.)	В9	15
LAGUNA HILLS CHEVRON Facility Id: 30000488 Status: A	24081 EL TORO RD	SSE 0 - 1/8 (0.100 mi.)	B14	21
UNOCAL #5408	24082	SSE 0 - 1/8 (0.122 mi.)	E25	34

FIRESTONE STORE Facility Id: 30007371 Status: A	24196 LAGUNA HILLS M	SE 1/8 - 1/4 (0.249 mi.)	J77	146
Lower Elevation	Address	Direction / Distance	Map ID	Page
WRIGHT PETROLEUM Facility Id: 30000628 Status: A	23991 EL TORO RD	ESE 1/8 - 1/4 (0.175 mi.)	G43	100
SHELL OIL CO Facility Id: 30000539 Status: A	23971 EL TORO/ CARLO	E 1/8 - 1/4 (0.163 mi.)	D33	44
Facility Id: 30001059 Status: A				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/10/2015 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VIKING INDEPENDENT I	23501 COMMERCE CENTE	NNW 1/8 - 1/4 (0.238 mi.)	<i>1</i> 63	124
VIKING INDEPENDENT I	23501 COMMERCE CENTE	NNW 1/8 - 1/4 (0.238 mi.)	l64	125

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 02/18/2015 has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALLIED MICRO-GRAPHIC EPA Id: CAL000169998	23461 RIDGE ROUTE DR	NNW 0 - 1/8 (0.090 mi.)	12	19
1 800 DRY CLEAN EPA Id: CAL000327504 EPA Id: CAL000293225	23561 RIDGE ROUTE DR	NW 1/8 - 1/4 (0.209 mi.)	H48	107

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 17 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORANGE CO. FIRE STAT Reg ld: 083002314T	24001	SE 0 - 1/8 (0.077 mi.)	В9	15
AMERICAN SAVINGS BAN Reg Id: 083002480T	24085 EL TORO RD	SSE 0 - 1/8 (0.085 mi.)	B11	16
LAGUNA HILLS CHEVRON Reg ld: 083000113T	24081 EL TORO RD	SSE 0 - 1/8 (0.100 mi.)	B14	21
HOME FEDERAL SAVINGS Reg ld: 083000799T	23941 AVENEDA DE LA	E 0 - 1/8 (0.115 mi.)	D18	27
UNOCAL #5408 Reg ld: 083001599T	24082	SSE 0 - 1/8 (0.122 mi.)	E25	34
SHELL OIL CO Reg Id: 083000362T	23971 EL TORO/ CARLO	E 1/8 - 1/4 (0.163 mi.)	D33	44
G&M OIL CO STATION # Reg ld: 8 302505001	23991 EL TORO ROAD	ESE 1/8 - 1/4 (0.175 mi.)	G39	69
WRIGHT PETROLEUM Reg Id: 083000580T	23991 EL TORO RD	ESE 1/8 - 1/4 (0.175 mi.)	G43	100
ARCO #3079/CAROLOTA Reg Id: 083002934T	24012	ESE 1/8 - 1/4 (0.224 mi.)	G50	109
ARCO #3079 Reg ld: 9UT4011	24012 AVENIDA DE LA	ESE 1/8 - 1/4 (0.224 mi.)	G52	110
CHEVRON SERVICE STAT Reg ld: 083001666T	23891 BRIDGER	E 1/8 - 1/4 (0.249 mi.)	K75	137
MOBIL OIL Reg ld: 083000271T	23771 EL TORO	ENE 1/4 - 1/2 (0.272 mi.)	L81	148
MOBIL OIL Reg ld: 083003311T	23771 EL TORO	ENE 1/4 - 1/2 (0.272 mi.)	L82	153
MOBIL #18-HKF Reg ld: 083001598T	24362	WSW 1/4 - 1/2 (0.327 mi.)	N86	172
TEXACO SERVICE STATI Reg Id: 083000732T	23751 EL TORO	ENE 1/4 - 1/2 (0.409 mi.)	P93	186
ARCO #3013 Reg ld: 083001923T	23742	ENE 1/4 - 1/2 (0.422 mi.)	Q96	193
Lower Elevation	Address	Direction / Distance	Map ID	Page
FACILITY 4110-1 Reg ld: 3035	23332 PERALTA	NW 1/4 - 1/2 (0.415 mi.)	94	186

EXECUTIVE SUMMARY

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOS ALISOS & SANTA A		ESE 1/2 - 1 (0.907 mi.)	102	203

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 12 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	23971 EL TORO RD	E 1/8 - 1/4 (0.163 mi.)	D32	43
Not reported	23741 CAVANAUGH RD	ENE 1/8 - 1/4 (0.202 mi.)	46	106
Not reported	23891 BRIDGER RD	E 1/8 - 1/4 (0.248 mi.)	K73	136
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	23561 RIDGE ROUTE D	NW 1/8 - 1/4 (0.138 mi.)	C26	35
Not reported	23522 COMMERCE CENT	NNW 1/8 - 1/4 (0.235 mi.)	155	115
Not reported	23512 COMMERCE CENT	NNW 1/8 - 1/4 (0.236 mi.)	156	116
Not reported	23502 COMMERCE CENT	NNW 1/8 - 1/4 (0.236 mi.)	157	116
Not reported	23551 COMMERCE CENT	NNW 1/8 - 1/4 (0.237 mi.)	l61	123
Not reported	23513 COMMERCE CENT	NNW 1/8 - 1/4 (0.237 mi.)	162	124
Not reported	23501 COMMERCE CENT	NNW 1/8 - 1/4 (0.238 mi.)	165	126
Not reported	24300 LAGUNA HILLS	ESE 1/8 - 1/4 (0.247 mi.)	J69	133
Not reported	24196 LAGUNA HILLS	SE 1/8 - 1/4 (0.249 mi.)	J79	147

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and

EXECUTIVE SUMMARY

operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 4 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
Not reported Not reported	24191 PASEO DE VALE 23521 PASEO DE VALE	SSE 1/8 - 1/4 (0.173 mi.) SSE 1/8 - 1/4 (0.209 mi.)	F38 47	69 107	
'		,			
Lower Elevation	Address	Direction / Distance	Map ID	Page	
Lower Elevation Not reported	Address 23621 RIDGE ROUTE D	Direction / Distance NW 0 - 1/8 (0.109 mi.)	Map ID C17	Page 26	

EXECUTIVE SUMMARY

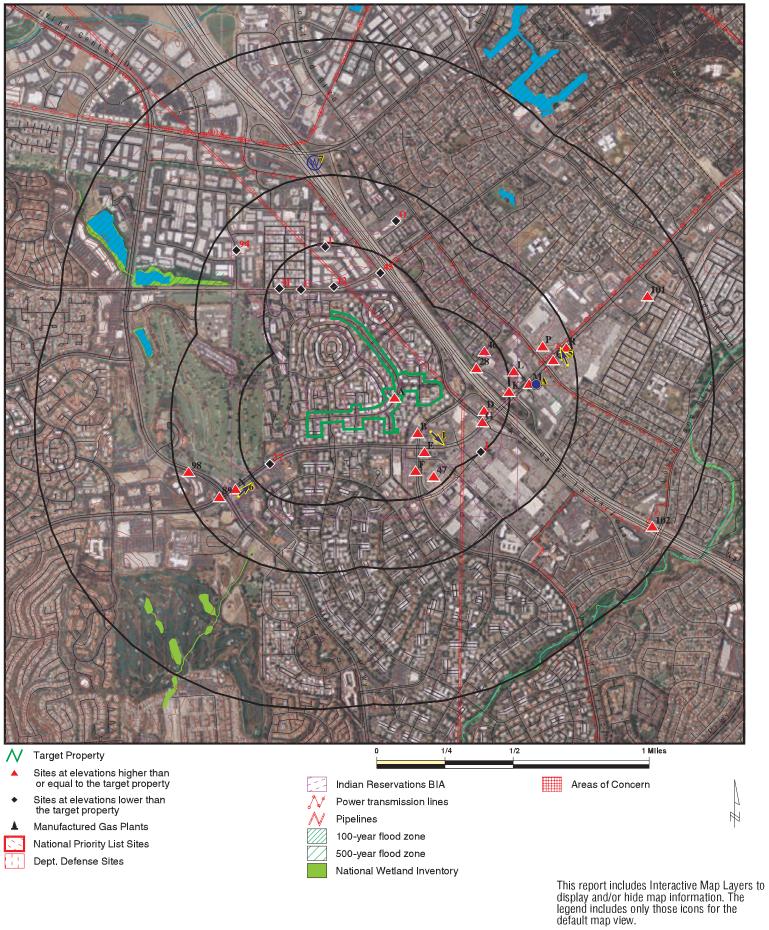
Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name Database(s)

BEST CLEANERS
USMCAS EL TORO UST 404
USMCAS EL TORO UST 759B
USMCAS EL TORO TANK FARM 555
MOBIL #18-HKF

DRYCLEANERS, HAZNET LUST LUST LUST LUST

OVERVIEW MAP - 4394915.2S



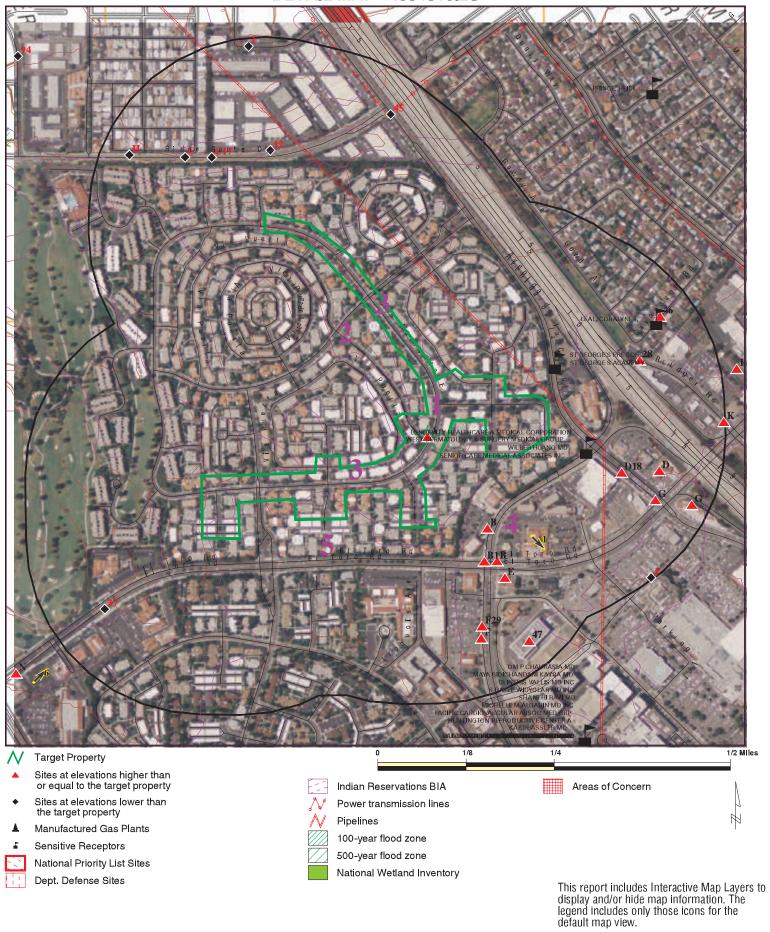
SITE NAME: ETWD - Phase II Expansion ADDRESS: EL TORO RD Laguna Woods CA 92637

33.6153 / 117.7144

LAT/LONG:

CLIENT: CONTACT: **Dudek & Associates** Khristina Leyba INQUIRY#: 4394915.2s DATE: August 28, 2015 12:37 pm

DETAIL MAP - 4394915.2S



SITE NAME: ETWD - Phase II Expansion ADDRESS: EL TORO RD

Laguna Woods CA 92637 LAT/LONG: 33.6153 / 117.7144 CLIENT: Dudek & Associates CONTACT: Khristina Leyba INQUIRY #: 4394915.2s

DATE: August 28, 2015 12:38 pm

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	STANDARD ENVIRONMENTAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 0.001		0 0 0	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	e list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY CERCLIS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site List							
CERC-NFRAP	0.500		0	1	0	NR	NR	1
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	2 12 0	NR NR NR	NR NR NR	NR NR NR	2 12 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equiva	alent NPL							
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equiva	alent CERCLIS	3						
ENVIROSTOR	1.000		0	0	0	1	NR	1
State and tribal landfill a solid waste disposal site								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking	storage tank l	ists						
LUST	0.500		8	8	10	NR	NR	26

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST SLIC	0.500 0.500		0 1	0 1	0 6	NR NR	NR NR	0 8
State and tribal registered storage tank lists								
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 3 1 0	0 5 1 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 8 2 0
State and tribal voluntary	cleanup site	es						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie	lds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	TAL RECORDS	<u>3</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	olid							
WMUDS/SWAT SWRCY HAULERS INDIAN ODI ODI DEBRIS REGION 9	0.500 0.500 0.001 0.500 0.500 0.500		0 0 0 0 0	0 1 NR 0 0	0 0 NR 0 0	NR NR NR NR NR	NR NR NR NR NR	0 1 0 0 0
Local Lists of Hazardous Contaminated Sites	waste/							
US HIST CDL HIST Cal-Sites SCH CDL Toxic Pits US CDL	0.001 1.000 0.250 0.001 1.000 0.001		0 0 0 0 0	NR 0 0 NR 0 NR	NR 0 NR NR 0 NR	NR 0 NR NR 0 NR	NR NR NR NR NR NR	0 0 0 0 0
Local Lists of Registered	Storage Tan	ıks						
SWEEPS UST HIST UST CA FID UST	0.250 0.250 0.250		3 4 3	4 6 3	NR NR NR	NR NR NR	NR NR NR	7 10 6
Local Land Records								
LIENS LIENS 2 DEED	0.001 0.001 0.500		0 0 0	NR NR 0	NR NR 0	NR NR NR	NR NR NR	0 0 0
Records of Emergency R	elease Repo	rts						
HMIRS	0.001		0	NR	NR	NR	NR	0

CHMIRS 0.001 1 0 NR NR NR NR 1 LDS 0.001 0 NR <	Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS 0.001 0 NR NR NR NR 0 Orange Co. Industrial Site 0.001 0 NR NR NR NR NR 0 SPILLS 90 0.001 0 NR NR NR NR 0 Other Ascertainable Records RCRA NonGen / NLR 0.250 0 2 NR NR NR 2 FUDS 1.000 0 0 0 NR 0 DOD 1.000 0 0 0 NR NR 0 SCRD DRYCLEANERS 0.500 0 0 0 NR NR NR 0 US FIN ASSUR 0.001 0 NR NR NR NR NR 0			1						
Orange Co. Industrial Site 0.001 0 NR NR NR NR NR 0 Other Ascertainable Records RCRA NonGen / NLR 0.250 0 2 NR NR NR 2 FUDS 1.000 0 0 0 0 NR 0 DOD 1.000 0 0 0 NR 0 SCRD DRYCLEANERS 0.500 0 0 0 NR NR NR NR US FIN ASSUR 0.001 0 NR NR NR NR 0									
SPILLS 90 0.001 0 NR NR NR NR 0 Other Ascertainable Records RCRA NonGen / NLR 0.250 0 2 NR NR NR 2 FUDS 1.000 0 0 0 0 NR 0 DOD 1.000 0 0 0 NR 0 SCRD DRYCLEANERS 0.500 0 0 NR NR NR NR US FIN ASSUR 0.001 0 NR NR NR NR 0									
RCRA NonGen / NLR 0.250 0 2 NR NR NR 2 FUDS 1.000 0 0 0 0 NR 0 DOD 1.000 0 0 0 0 NR 0 SCRD DRYCLEANERS 0.500 0 0 0 NR NR NR NR 0 US FIN ASSUR 0.001 0 NR NR NR NR 0									
FUDS 1.000 0 0 0 0 NR 0 DOD 1.000 0 0 0 0 NR 0 SCRD DRYCLEANERS 0.500 0 0 0 NR NR NR NR 0 US FIN ASSUR 0.001 0 NR NR NR NR NR 0	Other Ascertainable Reco	ords							
DOD 1.000 0 0 0 NR 0 SCRD DRYCLEANERS 0.500 0 0 0 NR NR NR NR 0 US FIN ASSUR 0.001 0 NR NR NR NR NR 0	RCRA NonGen / NLR	0.250		0	2	NR	NR	NR	2
SCRD DRYCLEANERS 0.500 0 0 0 NR NR NR 0 US FIN ASSUR 0.001 0 NR NR NR NR 0	FUDS	1.000		0	0	0	0	NR	0
US FIN ASSUR 0.001 0 NR NR NR NR 0	DOD	1.000		0	0	0	0	NR	0
	SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
	US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST 0.001 0 NR NR NR NR 0	EPA WATCH LIST			0	NR				0
2020 COR ACTION 0.250 0 0 NR NR NR 0		0.250							0
TSCA 0.001 0 NR NR NR NR 0		0.001							
TRIS 0.001 0 NR NR NR NR 0	_			_					
SSTS 0.001 0 NR NR NR NR 0									
ROD 1.000 0 0 0 NR 0									
RMP 0.001 0 NR NR NR NR 0				-					
RAATS 0.001 0 NR NR NR NR 0				-					
PRP 0.001 0 NR NR NR NR 0									
PADS 0.001 0 NR NR NR NR 0	_			-					
ICIS 0.001 0 NR NR NR NR 0				-					
FTTS 0.001 0 NR NR NR NR 0									
MLTS 0.001 0 NR NR NR NR 0	_			-					
COAL ASH DOE 0.001 0 NR NR NR NR 0				-					
COAL ASH EPA 0.500 0 0 NR NR 0									
PCB TRANSFORMER 0.001 0 NR NR NR NR 0				-					
RADINFO 0.001 0 NR NR NR NR 0				-					
HIST FTTS 0.001 0 NR NR NR NR 0									
DOT OPS 0.001 0 NR NR NR NR 0									
CONSENT 1.000 0 0 0 NR 0									
INDIAN RESERV 1.000 0 0 0 NR 0							-		
UMTRA 0.500 0 0 0 NR NR NR 0 LEAD SMELTERS 0.001 0 NR NR NR NR 0	_					-			
				-					
US AIRS 0.001 0 NR NR NR NR 0 US MINES 0.250 0 0 NR NR NR 0									
FINDS 0.250 0 0 NR NR NR NR 0					-				
CA BOND EXP. PLAN 1.000 0 0 0 NR 0	_			-					
Cortese 0.500 0 0 NR NR 0	_								
CUPA Listings 0.250 0 0 NR NR NR 0				-	-	-			-
DRYCLEANERS 0.250 1 1 NR NR NR 2									
EMI 0.001 0 NR NR NR NR 0					-				
ENF 0.001 0 NR NR NR NR 0									
Financial Assurance 0.001 0 NR NR NR NR 0									
HAZNET 0.001 3 0 NR NR NR NR 3			3						
HIST CORTESE 0.500 5 6 6 NR NR 17			J						
HWP 1.000 0 0 0 NR 0									
HWT 0.250 0 0 NR NR NR 0						-			
MINES 0.001 0 NR NR NR NR 0									
MWMP 0.250 0 0 NR NR NR 0									

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICA EDR Exclusive Records EDR MGP EDR US Hist Auto Stat EDR US Hist Cleaners			0 0 1	0 12 3	0 NR NR	0 NR NR	NR NR NR	0 12 4
EDR RECOVERED GOVERI	NMENT ARCHIV	VES						
Exclusive Recovered Go	ovt. Archives							
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		Ö	NR	NR	NR	NR	Ö
- Totals		4	30	68	22	2	0	126

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

A1 NICK ONUF HAZNET S117291468
Target 2092 RONDA GRANADA UNIT B N/A

Target 2092 RONDA GRANADA UNIT B Property LAGUNA WOODS, CA 92637

Site 1 of 4 in cluster A

Actual: HAZNET:

363 ft. envid: S117291468 Year: 2013

GEPAID: CAC002729377
Contact: NICK ONUF
Telephone: 9495842874
Mailing Name: Not reported

Mailing Address: 2092 RONDA GRANADA UNIT B Mailing City,St,Zip: LAGUNA WOODS, CA 926372497

Gen County: Orange
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Not reported

Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill (To

Include On-Site Treatment And/Or Stabilization)

Tons: 6.4

Facility County: Not reported

A2 CARMEN BRIAS HAZNET S117307797
Target 2100 RONDA GRANADA UNIT A N/A

Target 2100 RONDA GRANADA UNIT A Property LAGUNA WOODS, CA 92637

Site 2 of 4 in cluster A

Actual: HAZNET:

363 ft. envid: S117307797

Year: 2013

GEPAID: CAC002753552
Contact: CARMEN BRIAS
Telephone: 9098563439
Mailing Name: Not reported

Mailing Address: 16144 VALLEY SPRINGS RD Mailing City,St,Zip: CHINO HILLS, CA 917095209

Gen County: Orange
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Not reported

Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To

Include On-Site Treatment And/Or Stabilization)

Tons: 0.4

Facility County: Not reported

A3 RICHARD WILLIAMS HAZNET S112986143
Target 2163 MARIPOSA EAST N/A

Property LAGUNA WOODS, CA 92637

Site 3 of 4 in cluster A

Actual: HAZNET:

363 ft. envid: S112986143 Year: 2011

GEPAID: CAC002666565

Direction Distance

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

RICHARD WILLIAMS (Continued)

S112986143

Contact: RICHARD WILLIAMS 9498593199 Telephone:

Not reported Mailing Name:

Mailing Address: 2163 MARIPOSA EAST Mailing City, St, Zip: LAGUNA WOODS, CA 92637

Gen County: Not reported TSD EPA ID: AZC950823111 TSD County: Not reported

Waste Category: Asbestos containing waste

Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To

Include On-Site Treatment And/Or Stabilization)

Tons: 0.8 Facility County: Orange

envid: S112986143 Year: 2011

GEPAID: CAC002666565 Contact: RICHARD WILLIAMS

Telephone: 9498593199 Mailing Name: Not reported

Mailing Address: 2163 MARIPOSA EAST Mailing City, St, Zip: LAGUNA WOODS, CA 92637

Not reported Gen County: TSD EPA ID: AZC950823111 TSD County: Not reported

Waste Category: Asbestos containing waste

Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Disposal Method:

Include On-Site Treatment And/Or Stabilization)

Tons: 8.0 Facility County: Orange

Α4 **CHMIRS** S106398190 N/A

Not reported

Not reported

2153 RONDA GRANADA, LAGUNA WOODS **Target UNINCORPORATED COUNTY AREA, CA 91770 Property**

Site 4 of 4 in cluster A

CHMIRS: Actual:

363 ft.

OES Incident Number: 3-4289 OES notification: 08/21/2003 **OES Date:** Not reported **OES Time:** Not reported Incident Date: Not reported **Date Completed:** Not reported Property Use: Not reported Agency Id Number: Not reported Agency Incident Number: Not reported Time Notified: Not reported Time Completed: Not reported Surrounding Area: Not reported **Estimated Temperature:** Not reported **Property Management:** Not reported More Than Two Substances Involved?: Not reported Resp Agncy Personel # Of Decontaminated: Not reported Responding Agency Personel # Of Injuries: Not reported Responding Agency Personel # Of Fatalities: Not reported

Others Number Of Decontaminated:

Others Number Of Injuries:

Distance

Elevation Site Database(s) EPA ID Number

(Continued) S106398190

Others Number Of Fatalities: Not reported Not reported Vehicle Make/year: Vehicle License Number: Not reported Vehicle State: Not reported Vehicle Id Number: Not reported CA DOT PUC/ICC Number: Not reported Company Name: Not reported Reporting Officer Name/ID: Not reported Report Date: Not reported Facility Telephone: Not reported

Waterway Involved: No Waterway: Not reported Spill Site: Not reported Cleanup By: Reporting Party Containment: Not reported What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported Year: 2003

Agency: So Ca Edison

Incident Date: 8/20/200312:00:00 AM

Admin Agency: Orange County Emergency Management Division

Amount: Not reported
Contained: Yes
Site Type: Residence
E Date: Not reported

Substance: mineral oil, PCB unknown

Gallons: 1 Unknown: 0

Substance #2: Not reported Substance #3: Not reported

Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
#1 Pipeline: No

Not reported #2 Pipeline: Not reported #3 Pipeline: Not reported #1 Vessel >= 300 Tons: Not reported #2 Vessel >= 300 Tons: Not reported #3 Vessel >= 300 Tons: Not reported Evacs: Not reported Injuries: Not reported Fatals: Not reported Comments: Not reported

Description: Release caused by mechanical failure. Released

onto the concrete pad.

EDR ID Number

Direction Distance

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

B5 OR CO FIRE STATION #22 SWEEPS UST U003940940
SSE 24001 PASEO DE VALENCIA N/A

SSE 24001 PASEO DE VALENCIA < 1/8 LAGUNA HILLS, CA 92653

0.074 mi.

390 ft. Site 1 of 11 in cluster B

Relative: Higher

Actual:

371 ft.

SWEEPS UST:

Status: Active
Comp Number: 6070
Number: 9

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

SWRCB Tank ld: 30-000-006070-000001

Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P

Content: DIESEL Number Of Tanks: 2

Status: Active Comp Number: 6070 Number: 9

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-006070-000002

Tank Status: A
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL

STG: P
Content: DIESEL
Number Of Tanks: Not reported

B6 ORANGE COUNTY FIRE STATION #22

SSE 24001 PASEO DE VALENCIA < 1/8 LAGUNA HILLS, CA 92653

0.074 mi.

390 ft. Site 2 of 11 in cluster B

Relative: Higher LUST REG 8:

Region: 8 County: Orange

Actual: Regional Board: Santa Ana Region
371 ft. Facility Status: Case Closed
Case Number: 083002314T
Local Case Num: 93UT062

Case Type: Other ground water affected

Substance: 12034,800661

Qty Leaked: 0

Abate Method: Not reported Cross Street: Not reported Enf Type: CLOS

TC4394915.2s Page 11

LUST S103444577

N/A

Direction Distance

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

ORANGE COUNTY FIRE STATION #22 (Continued)

S103444577

Funding: Not reported Tank Closure How Discovered: How Stopped: New Tank Leak Cause: Unknown Leak Source: Unknown Global ID: T0605901687 How Stopped Date: 9/9/9999 Enter Date: Not reported Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: Not reported Discover Date: 7/21/1993 **Enforcement Date:** Not reported Close Date: 8/21/2003 Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: Not reported Date Remediation Plan Submitted: Not reported Date Remedial Action Underway: Not reported 7/18/1997 Date Post Remedial Action Monitoring: Enter Date: Not reported GW Qualifies: Not reported Soil Qualifies: Not reported Operator: Not reported Facility Contact: Not reported Interim: Not reported Oversite Program: LUST Latitude: 33.613843 Longitude: -117.7126686 MTBE Date: Not reported Max MTBE GW: Not reported

MTBE Concentration: 0

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: Not Required to be Tested.

MTBE Class: NOM Staff: Staff Initials: JS

Local Agency Lead Agency: Local Agency: 30000L Hydr Basin #: Not reported MUN Beneficial: Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported

Summary: Not reported

ORANGE COUNTY FIRE STATION #22 B7 SSE 24001 PASEO DE VALENCIA

LAGUNA HILLS, CA 92653 < 1/8

0.074 mi.

390 ft. Site 3 of 11 in cluster B

LUST: Relative:

Region: STATE Higher Global Id: T0605901687 Actual: Latitude: 33.613843 371 ft. Longitude: -117.7126686

> Case Type: Not reported Status:

Completed - Case Closed

U001577411

N/A

LUST

HIST UST

Direction Distance

Elevation Site Database(s) EPA ID Number

ORANGE COUNTY FIRE STATION #22 (Continued)

U001577411

EDR ID Number

Status Date: 08/21/2003 Lead Agency: Not reported

Case Worker: KL

Local Agency: Not reported RB Case Number: 083002314T LOC Case Number: Not reported

File Location: Local Agency Warehouse

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Diesel, Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605901687

Contact Type: Regional Board Caseworker
Contact Name: NANCY OLSON-MARTIN
Organization Name: SANTA ANA RWQCB (REGION 8)

Address: SANTA ANA RWQCB (REGION 8)

City: RIVERSIDE

Email: nolson-martin@waterboards.ca.gov

Phone Number: Not reported

Global Id: T0605901687

Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP

Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA
Email: klambert@ochca.com

Phone Number: 7144336261

Global Id: T0605901687

Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP

Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA

Email: jstrozier@ochca.com

Phone Number: 7144336273

Status History:

Global Id: T0605901687

Status: Completed - Case Closed

Status Date: 08/21/2003

Global Id: T0605901687

Status: Open - Case Begin Date

Status Date: 07/21/1993

Global Id: T0605901687

Status: Open - Verification Monitoring

Status Date: 07/18/1997

Regulatory Activities:

Global ld: T0605901687
Action Type: ENFORCEMENT

Direction Distance

Elevation Site Database(s) **EPA ID Number**

ORANGE COUNTY FIRE STATION #22 (Continued)

U001577411

EDR ID Number

Date: 08/21/2003

Action: Closure/No Further Action Letter

Global Id: T0605901687 Action Type: Other 08/02/1993 Date: Action: Leak Reported

Global Id: T0605901687 Action Type: Other 07/21/1993 Date: Action: Leak Discovery

Global Id: T0605901687 REMEDIATION Action Type: Date: 10/12/1993 Action: Excavation

ORANGE CO. LUST:

ORANGE Region: Facility Id: 93UT062

Current Status: Certification (Case Closed)

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: 08/21/2003 Case Type: Other Ground Water

Record ID: RO0002483

Region: **ORANGE** 93UT062 Facility Id:

Current Status: Certification (Case Closed)

Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4

Date Closed: 08/21/2003 Case Type: Other Ground Water Record ID: RO0002483

HIST UST:

Region: STATE Facility ID: 00000027202 Facility Type: Other

Other Type: FIRE DEPARTMENT

Contact Name: CAPTS. FURST, BALDRIDGE, PAWLO

Telephone: 7148375471

Owner Name: ORANGE COUNTY FIRE DEPARTMENT

180 SO. WATER STREET Owner Address: Owner City, St, Zip: ORANGE, CA 92666

Total Tanks: 0002

Tank Num: 001 Container Num:

Year Installed: Not reported Tank Capacity: 00002000 **PRODUCT** Tank Used for: UNLEADED Type of Fuel: Container Construction Thickness: Not reported

Leak Detection: Visual, Stock Inventor

Direction Distance

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

ORANGE COUNTY FIRE STATION #22 (Continued)

Tank Num: 002 Container Num: 2

Year Installed: Not reported Tank Capacity: 00001000 **PRODUCT** Tank Used for: Type of Fuel: DIESEL Container Construction Thickness: Not reported

Visual, Stock Inventor Leak Detection:

В8 **OR CO FIRE STATION #22** UST U004050573 N/A

SSE 24001 PASEO DE VALENCIA < 1/8 LAGUNA HILLS, CA 92637

0.074 mi.

390 ft. Site 4 of 11 in cluster B

UST: Relative:

Facility ID: 6070 Higher

ORANGE COUNTY Permitting Agency:

Actual: Latitude: 33.61346 371 ft. Longitude: -117.71292

В9 **ORANGE CO. FIRE STATION #** CA FID UST U002096242

SE 24001

< 1/8 LAGUNA HILLS, CA 92653

0.077 mi.

406 ft. Site 5 of 11 in cluster B

Relative: Higher

CA FID UST: Facility ID:

Regulated By: **UTNKA** Actual: Regulated ID: Not reported 370 ft. Cortese Code: Not reported SIC Code: Not reported Facility Phone: 7148375471

Mail To: Not reported Mailing Address: 180 S WATER ST Mailing Address 2: Not reported

LAGUNA HILLS 92653 Mailing City, St, Zip:

30007979

Contact: Not reported Contact Phone: Not reported Not reported **DUNs Number:** NPDES Number: Not reported Not reported EPA ID: Comments: Not reported Status: Active

HIST CORTESE:

Region: CORTESE Facility County Code: 30 **LTNKA** Reg By: Reg Id: 083002314T U001577411

HIST CORTESE

N/A

Direction Distance

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

B10 A100336892

SE 24001 PASEO DE VALENCIA < 1/8 LAGUNA HILLS, CA 92653

0.078 mi.

411 ft. Site 6 of 11 in cluster B

Relative:

Certified Unified Program Agencies: Orange Higher

ORANGE COUNTY FIRE AUTHORTY STA #22 Owner:

Actual: Total Gallons: 1,320

370 ft.

AMERICAN SAVINGS BANK S100929448 B11 LUST

24085 EL TORO RD HIST CORTESE SSE N/A

< 1/8 LAGUNA WOODS, CA 92653

0.085 mi.

370 ft.

447 ft. Site 7 of 11 in cluster B

Relative:

LUST: Higher

Region: STATE Global Id: T0605901761 Actual: 33.612696 Latitude: Longitude: -117.7121706 Case Type: Not reported

Status: Completed - Case Closed

06/28/2004 Status Date:

Lead Agency: Not reported

Case Worker: KL

Local Agency: Not reported RB Case Number: 083002480T LOC Case Number: Not reported

File Location: Local Agency Warehouse

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605901761

Contact Type: Regional Board Caseworker

Contact Name: ROSE SCOTT

Organization Name: SANTA ANA RWQCB (REGION 8) Address: 3737 MAIN STREET, SUITE 500

City: RIVERSIDE

Email: rscott@waterboards.ca.gov

Phone Number: 9513206375

Global Id: T0605901761

Contact Type: Local Agency Caseworker Contact Name: JAMES STROZIER Organization Name: ORANGE COUNTY LOP

1241 E. DYER ROAD SUITE 120 Address:

City: SANTA ANA Email: jstrozier@ochca.com Phone Number: 7144336273

Global Id: T0605901761

Contact Type: Local Agency Caseworker Contact Name: KEVIN LAMBERT Organization Name: ORANGE COUNTY LOP

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

AMERICAN SAVINGS BANK (Continued)

S100929448

EDR ID Number

Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA
Email: klambert@ochca.com
Phone Number: 7144336261

Status History:

Global Id: T0605901761

Status: Completed - Case Closed

Status Date: 06/28/2004

Global Id: T0605901761

Status: Open - Case Begin Date

Status Date: 09/01/1993

Global Id: T0605901761

Status: Open - Site Assessment

Status Date: 09/01/1993

Regulatory Activities:

 Global Id:
 T0605901761

 Action Type:
 Other

 Date:
 01/31/1994

 Action:
 Leak Reported

 Global Id:
 T0605901761

 Action Type:
 Other

 Date:
 09/01/1993

 Action:
 Leak Discovery

Global Id: T0605901761
Action Type: ENFORCEMENT
Date: 06/28/2004

Action: Closure/No Further Action Letter

ORANGE CO. LUST:

Region: ORANGE Facility Id: 94UT017

Current Status: Certification (Case Closed)

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: 06/28/2004 Case Type: Other Ground Water

Record ID: RO0001324

LUST REG 8:

Region: 8

County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed

 Case Number:
 083002480T

 Local Case Num:
 94UT017

Case Type: Other ground water affected

Substance: Gasoline

Qty Leaked: 0
Abate Method: Not reported

•

Direction Distance

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

AMERICAN SAVINGS BANK (Continued)

S100929448

Cross Street: Not reported CLOS Enf Type: Funding: Not reported How Discovered: SA

How Stopped: Other Means Leak Cause: Unknown Leak Source: Unknown Global ID: T0605901761 How Stopped Date: 9/9/9999 Enter Date: Not reported Date Confirmation of Leak Began: Not reported Not reported Date Preliminary Assessment Began: Discover Date: 9/1/1993 **Enforcement Date:** Not reported Close Date: 6/28/2004 Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: 9/1/1993 Date Remediation Plan Submitted: Not reported Date Remedial Action Underway: Not reported Date Post Remedial Action Monitoring: Not reported Enter Date: Not reported **GW Qualifies:** ND Not reported Soil Qualifies: Operator: Not reported Facility Contact: Not reported Interim: Not reported Oversite Program: LUST Latitude: 33.612696

Max MTBE GW: 2 MTBE Concentration: 0

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected

-117.7121706

11/8/2003

MTBE Class: Staff: RS Staff Initials: JS

Local Agency Lead Agency: 30000L Local Agency: Hydr Basin #: Not reported Beneficial: MUN Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported

Summary: Not reported

LUST REG 9:

Longitude:

MTBE Date:

Region:

Status: Preliminary site assessment workplan submitted

Case Number: 9UT3188 Local Case: 94UT17 Substance: n

Qty Leaked: Not reported Not reported Abate Method: Local Agency: Orange How Found: Not reported

Direction Distance

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

AMERICAN SAVINGS BANK (Continued)

S100929448

How Stopped: Not reported Not reported Source: Not reported Cause: Lead Agency: Local Agency

Case Type: Other ground water affected

Date Found: Date Stopped: // 03/28/1994 Confirm Date: Submit Workplan: 4/15/94 Prelim Assess:

Desc Pollution: Not reported

Remed Plan:

Remed Action: Not reported Began Monitor: Not reported 03/28/1994 Release Date: Enforce Date: Not reported Closed Date: Not reported Enforce Type: Not reported Pilot Program: LOP Basin Number: 901.11 GW Depth: Not reported Beneficial Use: MUNBU NPDES Number: Not reported Priority: Not reported

File Dispn: Administratively opened on database, however no file physically exists

Interim Remedial Actions: Not reported Cleanup and Abatement order Number: Not reported Waste Discharge Requirement Number: Not reported

HIST CORTESE:

CORTESE Region: Facility County Code: 30 Reg By: **LTNKA** 083002480T Reg Id:

12 **ALLIED MICRO-GRAPHICS** NNW 23461 RIDGE ROUTE DR STE H

< 1/8 0.090 mi. 473 ft.

LAGUNA HILLS, CA 92653

DRYCLEANERS: Relative:

CAL000169998 EPA Id: Lower NAICS Code: 81232

Actual: NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)

316 ft. SIC Code:

> SIC Description: Power Laundries, Family and Commercial

Create Date: 11/13/1997 Facility Active: No Inactive Date: 06/30/2004 Facility Addr2: Not reported

Owner Name: E SONGSTER & L SARDONIS Owner Address: 23461 RIDGE ROUTE DR STE H

Owner Address 2: Not reported Owner Telephone: 7147680783

Contact Name: **ELIZABETH SONGSTER** 23461 RIDGE ROUTE DR STE H Contact Address:

S110494852

N/A

DRYCLEANERS

Direction Distance

Elevation Site Database(s) **EPA ID Number**

ALLIED MICRO-GRAPHICS (Continued)

S110494852

EDR ID Number

Contact Address 2: Not reported 7147680783 Contact Telephone: Mailing Name: Not reported

Mailing Address 1: 23461 RIDGE ROUTE DR STE H

Mailing Address 2: Not reported Mailing City: LAGUNA HILLS

Mailing State: CA

Mailing Zip: 926530000 Owner Fax: Not reported Region Code: Not reported

B13 CHEVRON LUST S105774343 24081 EL TORO RD SSE N/A

< 1/8 LAGUNA HILLS, CA 92653

0.100 mi.

527 ft. Site 8 of 11 in cluster B

ORANGE CO. LUST: Relative:

Higher Region:

ORANGE Facility Id: 85UT106

Actual: Current Status: Certification (Case Closed)

369 ft. Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

> Date Closed: 06/06/2005 Other Ground Water Case Type:

Record ID: RO0000791

LUST REG 8:

Region: 8 County: Orange

Regional Board: Santa Ana Region

Post remedial action monitoring Facility Status:

Case Number: 083000113T 85UT106 Local Case Num:

Other ground water affected Case Type:

Substance: Gasoline Qty Leaked:

Abate Method: Not reported Cross Street: Not reported Enf Type: Not reported Funding: Not reported

How Discovered: SA

How Stopped: Other Means Leak Cause: Unknown Leak Source: Unknown Global ID: T0605900087 How Stopped Date: 9/9/9999 Enter Date: Not reported Date Confirmation of Leak Began: Not reported Not reported Date Preliminary Assessment Began: Discover Date: 11/5/1985 Not reported **Enforcement Date:** Close Date: Not reported Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: Not reported Date Remediation Plan Submitted: Not reported Date Remedial Action Underway: Not reported Date Post Remedial Action Monitoring: 5/22/2001

Direction Distance

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

CHEVRON (Continued) S105774343

Enter Date: Not reported

GW Qualifies: Soil Qualifies: Not reported Not reported Operator: **Facility Contact:** Not reported

Interim: Not reported Oversite Program: LUST Latitude: 33.612696 Longitude: -117.7120506 MTBE Date: 12/5/2001 Max MTBE GW: 470 MTBE Concentration: 0

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected

MTBE Class:

TME Staff: Staff Initials: JS

Lead Agency: Local Agency 30000L Local Agency: Hydr Basin #: Not reported MUN Beneficial: Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported

Summary: Not reported

LAGUNA HILLS CHEVRON U001742869 **B14** LUST

SSE **24081 EL TORO RD CA FID UST** N/A

< 1/8 LAGUNA HILLS, CA 92653 Orange Co. Industrial Site **HIST CORTESE**

0.100 mi.

527 ft. Site 9 of 11 in cluster B

LUST:

Relative: Region: Higher

STATE Global Id: T0605900087 Actual: Latitude: 33.612696 369 ft. -117.7120506

Longitude: Case Type: Not reported

Completed - Case Closed Status:

Status Date: 06/06/2005 Lead Agency: Not reported

Case Worker: KL

Local Agency: Not reported RB Case Number: 083000113T LOC Case Number: Not reported File Location: Local Agency

Other Groundwater (uses other than drinking water) Potential Media Affect:

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605900087

Contact Type: Regional Board Caseworker Contact Name: TOM E. MBEKE-EKANEM SANTA ANA RWQCB (REGION 8) Organization Name:

Direction Distance

Elevation Site Database(s) EPA ID Number

LAGUNA HILLS CHEVRON (Continued)

U001742869

EDR ID Number

Address: 3737 MAIN STREET, SUITE 500

City: RIVERSIDE

Email: tmbeke-ekanem@waterboards.ca.gov

Phone Number: 9513202007

Global Id: T0605900087

Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA

Email: jstrozier@ochca.com

Phone Number: 7144336273

Global Id: T0605900087

Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP

Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA
Email: klambert@ochca.com

Phone Number: 7144336261

Status History:

Global Id: T0605900087

Status: Completed - Case Closed

Status Date: 06/06/2005

Global Id: T0605900087

Status: Open - Case Begin Date

Status Date: 11/05/1985

Global Id: T0605900087

Status: Open - Verification Monitoring

Status Date: 05/22/2001

Regulatory Activities:

 Global Id:
 T0605900087

 Action Type:
 ENFORCEMENT

 Date:
 06/06/2005

Action: Closure/No Further Action Letter

 Global Id:
 T0605900087

 Action Type:
 Other

 Date:
 11/06/1985

 Action:
 Leak Reported

 Global Id:
 T0605900087

 Action Type:
 Other

 Date:
 11/05/1985

 Action:
 Leak Discovery

Global Id: T0605900087
Action Type: REMEDIATION
Date: 11/01/1990

Action: Free Product Removal

Direction Distance

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

LAGUNA HILLS CHEVRON (Continued)

U001742869

Global Id: T0605900087 Action Type: REMEDIATION Date: 05/02/2001

Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900087 REMEDIATION Action Type: Date: 05/22/2001

Pump & Treat (P&T) Groundwater Action:

CA FID UST:

30000488 Facility ID: UTNKA Regulated By: Regulated ID: Not reported Not reported Cortese Code: SIC Code: Not reported Facility Phone: 7148373370 Mail To: Not reported

Mailing Address: 1300 S BCH BLVD / P O BOX 2

Not reported Mailing Address 2:

LAGUNA HILLS 92653 Mailing City, St, Zip:

Contact: Not reported Not reported Contact Phone: Not reported DUNs Number: NPDES Number: Not reported Not reported EPA ID: Comments: Not reported Status: Active

Orange Co. Industrial Site:

Case ID: 91IC048 Region: **ORANGE** RO0000335 Record ID:

CLOSED 12/12/1991 **Current Status:**

Closed pre 1994, file review required to determine closure type Closure Type:

Released Chemical: WASTE (OR SLOP) OIL

HIST CORTESE:

CORTESE Region: Facility County Code: 30 Reg By: **LTNKA** Reg Id: 083000113T

B15 **LAGUNA HILLS CHEVRON** UST U003895529

SWEEPS UST SSE **24081 EL TORO RD** N/A LAGUNA HILLS, CA 92653

< 1/8 0.100 mi.

527 ft. Site 10 of 11 in cluster B

UST: Relative:

Facility ID: 7791 Higher

Permitting Agency: **ORANGE COUNTY**

Actual: Latitude: 33.61274 369 ft. Longitude: -117.71258

Direction Distance Elevation

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

LAGUNA HILLS CHEVRON (Continued)

U003895529

SWEEPS UST:

Status: Active 7791 Comp Number: Number:

Board Of Equalization: 44-016634 09-30-92 Referral Date: 09-15-92 Action Date: Created Date: 02-29-88 Owner Tank Id: Not reported

30-000-007791-000001 SWRCB Tank Id: Α

Tank Status:

1000 Capacity: Active Date: Not reported **PETROLEUM** Tank Use:

STG: Ρ

Content: Not reported

Number Of Tanks:

Status: Active Comp Number: 7791 Number:

44-016634 Board Of Equalization: Referral Date: 09-30-92 09-15-92 Action Date: 02-29-88 Created Date: Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-007791-000004

Tank Status: Capacity: 10000 Not reported Active Date: Tank Use: M.V. FUEL

STG:

REG UNLEADED Content: Number Of Tanks: Not reported

Status: Active Comp Number: 7791 Number:

Board Of Equalization: 44-016634 Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

30-000-007791-000005 SWRCB Tank Id:

Tank Status: 10000 Capacity: Active Date: Not reported M.V. FUEL Tank Use:

STG:

REG UNLEADED Content: Number Of Tanks: Not reported

Status: Active Comp Number: 7791 Number: 9

Board Of Equalization: 44-016634 09-30-92 Referral Date:

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

LAGUNA HILLS CHEVRON (Continued)

U003895529

Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SWRCB Tank ld: 30-000-007791-000006

Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL

Not reported

B16 99384 HIST UST U001577397 SSE 24081 EL TORO RD N/A

SSE 24081 EL TORO RD < 1/8 LAGUNA HILLS, CA 92653

Number Of Tanks:

0.100 mi.

527 ft. Site 11 of 11 in cluster B

Relative: Higher

Actual:

369 ft.

HIST UST: Region:

Region: STATE
Facility ID: 00000063203
Facility Type: Gas Station
Other Type: Not reported
Contact Name: RASH,WILLIAM A
Telephone: 7148373370

Owner Name: CHEVRON U.S.A. INC.

Owner Address: 575 MARKET

Owner City, St, Zip: SAN FRANCISCO, CA 94105

Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1965
Tank Capacity: 00009000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 002 Container Num: 2 Year Installed: 1965 Tank Capacity: 0008000 Tank Used for: **PRODUCT** Type of Fuel: Not reported Container Construction Thickness: 0000250 Leak Detection: Stock Inventor

Tank Num: 003 Container Num: 3 Year Installed: 1965 00004000 Tank Capacity: Tank Used for: **PRODUCT** Type of Fuel: Not reported Container Construction Thickness: 0000170 Leak Detection: Stock Inventor

Tank Num: 004

Direction Distance

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

99384 (Continued) U001577397

Container Num: 4 Year Installed: 1965 Tank Capacity: 00000550 Tank Used for: WASTE Type of Fuel: Not reported Container Construction Thickness: 0000100 Stock Inventor Leak Detection:

C17 **EDR US Hist Cleaners** 1015024759 NW 23621 RIDGE ROUTE DR N/A

LAGUNA HILLS, CA 92653 < 1/8

0.109 mi.

578 ft. Site 1 of 3 in cluster C

EDR Historical Cleaners: Relative:

Name: DANDY LAUNDRY SERVICE Lower

Year: 1999 Actual:

Address: 23621 RIDGE ROUTE DR 317 ft.

THE LAUNDRY Name:

Year: 2002

Address: 23621 RIDGE ROUTE DR

DANDY LAUNDRY SERVICE Name:

Year: 2002

Address: 23621 RIDGE ROUTE DR

THE LAUNDRY Name:

2003 Year:

23621 RIDGE ROUTE DR Address:

Name: DANDY LAUNDRY SERVICE

Year: 2003

23621 RIDGE ROUTE DR Address:

Name: DANDY LAUNDRY SERVICE

Year: 2004

23621 RIDGE ROUTE DR Address:

SUNNY LAUNDRY Name:

Year:

Address: 23621 RIDGE ROUTE DR

SUNNY LAUNDRY Name:

Year: 2006

Address: 23621 RIDGE ROUTE DR

SUNNY LAUNDRY Name:

Year: 2007

Address: 23621 RIDGE ROUTE DR

SUNNY LAUNDRY SERVICE Name:

Year: 2008

Address: 23621 RIDGE ROUTE DR

SUNNY LAUNDRY Name:

Year: 2009

Address: 23621 RIDGE ROUTE DR

Direction Distance

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

(Continued) 1015024759

Name: SUNNY LAUNDRY SVC

2010 Year:

23621 RIDGE ROUTE DR Address:

Name: SUNNY LAUNDRY SERVICE

Year: 2011

23621 RIDGE ROUTE DR Address:

Name: SUNNY LAUNDRY SERVICE

Year: 2012

23621 RIDGE ROUTE DR Address:

S101299820 D18 **HOME FEDERAL SAVINGS AND LOAN** LUST 23941 AVENEDA DE LA CARLOTA SLIC **East** N/A

< 1/8 LAGUNA HILLS, CA 92667 **HIST CORTESE**

0.115 mi.

605 ft. Site 1 of 7 in cluster D

LUST REG 8: Relative:

Region: 8 Higher Orange County:

Actual: Regional Board: Santa Ana Region 365 ft. Facility Status: Case Closed 083000799T Case Number: Local Case Num: 91ic57

Aquifer affected Case Type: Substance: Gasoline Qty Leaked: Not reported

Abate Method: Pump and Treat Ground Water - generally employed to remove dissolved

contaminants

Cross Street: **EL TORO** Enf Type: Not reported Funding: Not reported Not reported How Discovered: How Stopped: Not reported Leak Cause: Not reported Leak Source: Not reported T0605900630 Global ID: How Stopped Date: Not reported 3/28/1988 Enter Date: Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: Not reported Discover Date: Not reported **Enforcement Date:** Not reported Close Date: 5/7/1992

Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: Not reported Date Remediation Plan Submitted: Not reported 3/28/1988 Date Remedial Action Underway: Date Post Remedial Action Monitoring: Not reported Enter Date: 3/28/1988 GW Qualifies: Not reported Soil Qualifies: Not reported Operator: Not reported Facility Contact: Not reported Interim: Not reported Oversite Program: LOCNL Latitude: 33.6142749

Direction Distance

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

HOME FEDERAL SAVINGS AND LOAN (Continued)

S101299820

Longitude: -117.7093125 MTBE Date: Not reported Max MTBE GW: Not reported

MTBE Concentration: 0

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.

MTBE Class:

Staff: NOM Staff Initials: Not reported Lead Agency: Local Agency 30000 Local Agency:

Hydr Basin #: ALISO CREEK (9-31)

Beneficial: Not reported Not reported Priority: Cleanup Fund Id: Not reported Work Suspended: Not reported

50,000 GAL/DAY OF TREATED WATER AND UP TO 300,000 GAL/DAY OF UNCONTAMINATED Summary:

WATER FROM CONSTRUCTION DEWATERING SHALL BE DISCHARGED TO A STORM DRAIN ON EL

TORO ROAD, TRIBUTARY TO ALISO CK.

SLIC:

Region: STATE

Facility Status: Completed - Case Closed

05/07/1992 Status Date: Global Id: T0605900630 Lead Agency: **ORANGE COUNTY**

Lead Agency Case Number: 91ic57 Latitude: 33.6132003 Longitude: -117.7069281

Case Type: Cleanup Program Site

Case Worker: OC

ORANGE COUNTY Local Agency: RB Case Number: 083000799T File Location: Not reported

Potential Media Affected: Aquifer used for drinking water supply

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:

CORTESE Region: Facility County Code: 30 Reg By: LTNKA Reg Id: 083000799T

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

E19 UNION OIL SERV. STATION #5408 HIST UST U001577389
SSE 24082 EL TORO RD N/A

24082 EL TORO RD N/A
LAGUNA HILLS, CA 92651

< 1/8 0.122 mi.

643 ft. Site 1 of 7 in cluster E

Relative: Higher

Actual:

369 ft.

HIST UST:

Region: STATE
Facility ID: 00000020047
Facility Type: Gas Station
Other Type: Not reported
Contact Name: GILBERT ORR

Telephone: 7148372361

Owner Name: UNION OIL CO. OF CALIF.

Owner Address: 123 CAMINO DELA REINA

Owner City,St,Zip: SAN DIEGO, CA 92108

Total Tanks: 0003

Tank Num: 001
Container Num: 5408-34
Year Installed: 1965
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Name

Leak Detection: None

Tank Num: 002 Container Num: 5408-22 Year Installed: 1965 Tank Capacity: 00010000 **PRODUCT** Tank Used for: Type of Fuel: **PREMIUM** Container Construction Thickness: Not reported Leak Detection: Stock Inventor, 10

Tank Num: 003 5408-11 Container Num: Year Installed: 1965 Tank Capacity: 00010000 **PRODUCT** Tank Used for: Type of Fuel: UNLEADED Container Construction Thickness: Not reported Stock Inventor Leak Detection:

UNOCAL LUST S103992044

SSE 24082 EL TORO < 1/8 LAGUNA HILLS, CA 92653

0.122 mi.

E20

643 ft. Site 2 of 7 in cluster E

Relative: LUST:

 Higher
 Region:
 STATE

 Global Id:
 T0605901215

 Actual:
 Latitude:
 33.612451311

 369 ft.
 Longitude:
 -117.712727814

Case Type: Not reported

Status: Completed - Case Closed

Status Date: 01/18/2007 Lead Agency: Not reported N/A

Direction Distance

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

UNOCAL (Continued) S103992044

Case Worker: KL

Not reported Local Agency: RB Case Number: 083001599T LOC Case Number: Not reported File Location: Local Agency

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

T0605901215 Global Id:

Contact Type: Regional Board Caseworker NANCY OLSON-MARTIN Contact Name:

Organization Name: SANTA ANA RWQCB (REGION 8) Address: 3737 MAIN STREET, SUITE 500

RIVERSIDE City:

Email: nolson-martin@waterboards.ca.gov

Phone Number: Not reported

T0605901215 Global Id:

Contact Type: Local Agency Caseworker Contact Name: KEVIN LAMBERT ORANGE COUNTY LOP Organization Name:

1241 E DYER ROAD SUITE 120 Address:

City: SANTA ANA Email: klambert@ochca.com

Phone Number: 7144336261

Status History:

Global Id: T0605901215

Status: Completed - Case Closed

Status Date: 01/18/2007

Global Id: T0605901215

Status: Open - Case Begin Date

Status Date: 08/23/1989

T0605901215 Global Id:

Status: Open - Verification Monitoring

10/01/1999 Status Date:

Regulatory Activities:

Global Id: T0605901215 Action Type: **ENFORCEMENT** Date: 08/09/2004 Action: Staff Letter

T0605901215 Global Id: Action Type: **ENFORCEMENT** Date: 01/18/2007

Action: Closure/No Further Action Letter

Global Id: T0605901215 Action Type: **ENFORCEMENT** 03/15/1990 Date:

Direction Distance

Elevation Site Database(s) EPA ID Number

UNOCAL (Continued) S103992044

Action: * Corrective Action Orders

 Global Id:
 T0605901215

 Action Type:
 ENFORCEMENT

 Date:
 03/15/1990

Action: Notice of Responsibility

 Global Id:
 T0605901215

 Action Type:
 Other

 Date:
 03/09/1990

 Action:
 Leak Reported

 Global Id:
 T0605901215

 Action Type:
 Other

 Date:
 08/23/1989

 Action:
 Leak Discovery

 Global Id:
 T0605901215

 Action Type:
 REMEDIATION

 Date:
 07/22/1992

Action: Soil Vapor Extraction (SVE)

 Global Id:
 T0605901215

 Action Type:
 REMEDIATION

 Date:
 08/01/1996

Action: In Situ Physical/Chemical Treatment (other than SVE)

E21 UNOCAL #5408 SSE 24082 EL TORO RD < 1/8 LAGUNA HILLS, CA 92653

0.122 mi.

643 ft. Site 3 of 7 in cluster E

Relative: SWEEPS UST: Higher Status:

 Higher
 Status:
 Active

 Comp Number:
 2185

 Actual:
 Number:
 9

 369 ft.
 Board Of Equalization:
 44-00

Board Of Equalization: 44-001057
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-002185-000001

Tank Status: A
Capacity: 500

Active Date: Not reported Tank Use: PETROLEUM

STG: P

Content: Not reported

Number Of Tanks: 3

Status: Active
Comp Number: 2185
Number: 9

Board Of Equalization: 44-001057 Referral Date: 09-30-92 Action Date: 09-15-92 SWEEPS UST

U003981955

N/A

EDR ID Number

Direction Distance

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

UNOCAL #5408 (Continued)

U003981955

Created Date: 02-29-88 Not reported Owner Tank Id:

30-000-002185-000004 SWRCB Tank Id:

Tank Status: Α 10000 Capacity: Active Date: Not reported Tank Use: M.V. FUEL

STG:

REG UNLEADED Content: Number Of Tanks: Not reported

Status: Active Comp Number: 2185 Number:

Board Of Equalization: 44-001057 Referral Date: 09-30-92 Action Date: 09-15-92 02-29-88 Created Date: Owner Tank Id: Not reported

30-000-002185-000005 SWRCB Tank Id:

Tank Status: Α 10000 Capacity: Active Date: Not reported M.V. FUEL Tank Use: STG: Content: **DIESEL**

Number Of Tanks: Not reported

STATION #5408 HIST UST U001577386

SSE 24082 EL TORO RD < 1/8 LAGUNA HILLS, CA 92651

HIST UST:

Telephone:

0.122 mi.

E22

Site 4 of 7 in cluster E 643 ft.

Relative: Higher

Actual:

369 ft.

Region: STATE Facility ID: 00000043709 Facility Type: Gas Station Other Type: Not reported Contact Name: GILBERT N. ORR

Owner Name: UNION OIL COMPANY OF CALIFORNI

7148372361

Owner Address: 1450 FRAZEE ROAD Owner City, St, Zip: SAN DIEGO, CA 92108

Total Tanks: 0001

Tank Num: 001 5408-00 Container Num: Year Installed: 1965 Tank Capacity: 00000000 Tank Used for: WASTE Type of Fuel: Not reported

Container Construction Thickness: Leak Detection: Visual N/A

Direction Distance

Distance EDR ID Number
Database(s) EPA ID Number

E23 LAGUNA HILLS CIRCLE K UST U003913404
SSE 24082 EL TORO RD N/A

SSE 24082 EL TORO RD < 1/8 LAGUNA HILLS, CA 92653

0.122 mi.

643 ft. Site 5 of 7 in cluster E

Relative: UST:

Higher Facility ID: 2185

Permitting Agency: ORANGE COUNTY

 Actual:
 Latitude:
 33.613632

 369 ft.
 Longitude:
 -117.711138

ORANGE CO. UST:

Facility ID: FA0065128

E24 UNOCAL LUST S106176646

SSE 24082 EL TORO RD < 1/8 LAGUNA HILLS, CA 92653

0.122 mi.

643 ft. Site 6 of 7 in cluster E

Relative: ORANGE CO. LUST:

Higher Region: ORANGE Facility Id: 90UT056

Actual: Current Status: Certification (Case Closed)

369 ft. Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: 01/18/2007 Case Type: Other Ground Water

Record ID: RO0002248

LUST REG 8:

Region: 8

County: Orange

Regional Board: Santa Ana Region

Facility Status: Post remedial action monitoring

 Case Number:
 083001599T

 Local Case Num:
 90UT056

Case Type: Other ground water affected

Substance: Gasoline

Qty Leaked:0Abate Method:Not reportedCross Street:Not reportedEnf Type:Not reportedFunding:Not reportedHow Discovered:SA

Other Means How Stopped: Leak Cause: Unknown Leak Source: Unknown T0605901215 Global ID: How Stopped Date: 9/9/9999 Enter Date: Not reported Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: Not reported 8/23/1989 Discover Date: **Enforcement Date:** Not reported

Close Date:

Date Prelim Assessment Workplan Submitted:

Date Pollution Characterization Began:

Date Remediation Plan Submitted:

Not reported

Not reported

Not reported

Not reported

N/A

Direction Distance

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

UNOCAL (Continued) S106176646

Date Remedial Action Underway: Not reported 10/1/1999 Date Post Remedial Action Monitoring: Enter Date: Not reported

GW Qualifies:

Soil Qualifies: Not reported Not reported Operator: Facility Contact: Not reported Interim: Not reported Oversite Program: LUST Latitude: 33.612696 Longitude: -117.7120806 MTBE Date: 5/16/2002 Max MTBE GW: 4700 MTBE Concentration: 0

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected

MTBE Class:

Staff: NOM Staff Initials: JS

Lead Agency: Local Agency Local Agency: 30000L Hvdr Basin #: Not reported Beneficial: MUN Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported

Summary: Not reported

E25 **UNOCAL #5408** CA FID UST S101631407 SSE 24082 **HIST CORTESE** N/A

LAGUNA HILLS, CA 92653 < 1/8

0.122 mi.

643 ft. Site 7 of 7 in cluster E

Relative: Higher

CA FID UST: Facility ID:

UTNKA Regulated By: Actual: Regulated ID: Not reported 369 ft. Cortese Code: Not reported SIC Code: Not reported

Facility Phone: 7148372360 Mail To: Not reported

911 WILSHIRE BLVD STE 10 Mailing Address:

30001059

Mailing Address 2: Not reported

LAGUNA HILLS 92653 Mailing City, St, Zip:

Not reported Contact: Contact Phone: Not reported Not reported **DUNs Number:** NPDES Number: Not reported EPA ID: Not reported Not reported Comments: Active Status:

HIST CORTESE:

Region: CORTESE Facility County Code: 30

Direction Distance

Elevation Site Database(s) EPA ID Number

UNOCAL #5408 (Continued) \$101631407

 Reg By:
 LTNKA

 Reg Id:
 083001599T

C26 EDR US Hist Auto Stat 1015350434 NW 23561 RIDGE ROUTE DR N/A

NW 23561 RIDGE ROUTE DR 1/8-1/4 LAGUNA HILLS, CA 92653

0.138 mi.

731 ft. Site 2 of 3 in cluster C

Relative: EDR Historical Auto Stations:

Lower Name: LAGUNA HILLS AUTO BODY

Year: 1999

Actual: Address: 23561 RIDGE ROUTE DR 319 ft.

Name: MOBILE MIRACLES INC

Year: 2005

Address: 23561 RIDGE ROUTE DR

Name: MOBILE MIRACLES INC

Year: 2006

Address: 23561 RIDGE ROUTE DR

Name: COLLISION DYNAM

Year: 2007

Address: 23561 RIDGE ROUTE DR

Name: COLLISION DYNAM

Year: 2008

Address: 23561 RIDGE ROUTE DR

Name: MOBILE MIRACLES INC

Year: 2009

Address: 23561 RIDGE ROUTE DR

C27 EDR US Hist Cleaners 1015024629
NW 23561 RIDGE ROUTE DR N/A

NW 23561 RIDGE ROUTE DR 1/8-1/4 LAGUNA HILLS, CA 92653 0.138 mi.

731 ft. Site 3 of 3 in cluster C

Relative: EDR Historical Cleaners:
Lower Name: CLEANERS HEAVE

Lower Name: CLEANERS HEAVEN Year: 2005

rear: 2005

Actual: Address: 23561 RIDGE ROUTE DR 319 ft.

Name: CLEANERS HEAVEN

Year: 2006

Address: 23561 RIDGE ROUTE DR

Name: EL TORO CLEANING

Year: 2011

Address: 23561 RIDGE ROUTE DR

Name: EL TORO CLEANING

Year: 2012

Address: 23561 RIDGE ROUTE DR

Direction Distance

Elevation Site Database(s) EPA ID Number

 28
 JACKS CAMERAS
 RCRA-SQG
 1000272188

 ENE
 23811 BRIDGER RD
 FINDS
 CAD982475220

1/8-1/4 0.144 mi. 762 ft.

Actual:

375 ft.

Relative: RCRA-SQG:

Higher Date form received by agency: 06/16/1988

EL TORO, CA 92630

Facility name: JACKS CAMERAS
Facility address: 23811 BRIDGER RD
EL TORO, CA 92630

EPA ID: CAD982475220

Contact: ENVIRONMENTAL MANAGER

Contact address: 23811 BRIDGER RD

EL TORO, CA 92630

Contact country: US

Contact telephone: (714) 586-3331 Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JACK H CANNON
Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported Owner/operator telephone: (415) 555-1212

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Not reported

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported

Handler Activities Summary:

Owner/Op end date:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No

Direction Distance

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

JACKS CAMERAS (Continued)

1000272188

1015740337

CAR000230334

RCRA-LQG

User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002822447

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

F29 **CVS PHARMACY #9246** SSE 24167 PASEO DE VALENCIA 1/8-1/4 LAGUNA WOODS, CA 92637

0.155 mi.

Site 1 of 3 in cluster F 820 ft.

Relative:

RCRA-LQG:

EPA ID:

Higher

Date form received by agency: 03/01/2014

Actual: 368 ft.

Facility name: CVS PHARMACY #9246 Facility address: 24167 PASEO DE VALENCIA

LAGUNA WOODS, CA 92637 CAR000230334 Mailing address:

CVS DR-23062A WOONSOCKET, CA 02895

Contact: WENDY L BRANT Contact address:

CVS DR-23062A

WOONSOCKET, RI 02895 Contact country: Not reported Contact telephone: (401) 770-7457

Contact email: WENDY.BRANT@CVSCAREMARK.COM

EPA Region: 09

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any

calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

hazardous waste during any calendar month, and accumulates more than

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: LONGS DRUG STORES CALIFORNIA LLC

Distance Elevation

on Site Database(s) EPA ID Number

CVS PHARMACY #9246 (Continued)

Owner/operator country:

1015740337

EDR ID Number

Owner/operator address: Not reported Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/22/2008
Owner/Op end date: Not reported

Owner/operator name: LONGS DRUG STORES CALIFORNIA, LLC

Owner/operator address: Not reported

Not reported Not reported

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 10/22/2008 Owner/Op end date: Not reported

Owner/operator name: CAMINO OAKS LTD Owner/operator address: 32ND ST STE 200

NEWPORT BEACH, CA 92663

Owner/operator country: Not reported
Owner/operator telephone: (949) 673-0500
Legal status: Private

Owner/Operator Type: Owner
Owner/Op start date: 07/28/2005
Owner/Op end date: Not reported

Owner/operator name: CAMINO OAKS LTD Owner/operator address: 503 32ND ST STE 200

NEWPORT BEACH, CA 92663

Owner/operator country: US

Owner/operator telephone: 949-673-0500
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/28/2005
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

. Waste code: 122

Map ID Direction Distance Elevation

Site EDR ID Number

EDR ID Number

EPA ID Number

CVS PHARMACY #9246 (Continued)

1015740337

. Waste name:	122
. Waste code: . Waste name:	123 123
. Waste code: . Waste name:	131 131
. Waste code: . Waste name:	134 134
. Waste code: . Waste name:	141 141
. Waste code: . Waste name:	181 181
. Waste code: . Waste name:	214 214
. Waste code: . Waste name:	311 311
. Waste code: . Waste name:	331 331
. Waste code: . Waste name:	352 352
. Waste code: . Waste name:	541 541
. Waste code: . Waste name:	561 561
. Waste code: . Waste name:	791 791
. Waste code: . Waste name:	D001 IGNITABLE WASTE
. Waste code: . Waste name:	D002 CORROSIVE WASTE
. Waste code: . Waste name:	D004 ARSENIC
. Waste code: . Waste name:	D005 BARIUM
. Waste code: . Waste name:	D006 CADMIUM
. Waste code: . Waste name:	D007 CHROMIUM
	B

D008

. Waste code:

Map ID MAP FINDINGS
Direction

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

CVS PHARMACY #9246 (Continued)

1015740337

. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

Waste code: D010
Waste name: SELENIUM

. Waste code: D011 . Waste name: SILVER

. Waste code: D016

. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste code: D018
Waste name: BENZENE

Waste code: D024
Waste name: M-CRESOL

. Waste code: D027

. Waste name: 1,4-DICHLOROBENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

. Waste code: P001

. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS,

WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, &

SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P012

. Waste name: ARSENIC OXIDE AS203 (OR) ARSENIC TRIOXIDE

. Waste code: P075

. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, &

SALTS

. Waste code: P081

. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Waste code: P188

. Waste name: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH

(3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE

. Waste code: U002

. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U010

Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE,

6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET

OXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR)

MITOMYCIN C

Direction Distance Elevation

EDR ID Number
Site Database(s) EPA ID Number

CVS PHARMACY #9246 (Continued)

1015740337

. Waste code: U031

. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U034

. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste code: U035

. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U044

. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste code: U058

. Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-,

2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste code: U059

. Waste name: 5,12-NAPHTHACENEDIONE,

8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-

,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR)

DAUNOMYCIN

Waste code: U070

. Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

. Waste code: U072

. Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

. Waste code: U089

. Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS,

(E)-

. Waste code: U122

. Waste name: FORMALDEHYDE

Waste code: U129

. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA,

5ALPHA, 6BETA)- (OR) LINDANE

Waste code: U132

. Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

. Waste code: U150

Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

. Waste code: U151 . Waste name: MERCURY

Waste code: U154

. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165

Waste name: NAPHTHALENE

. Waste code: U188
. Waste name: PHENOL

Direction Distance Elevation

EDR ID Number EPA ID Number Site Database(s)

CVS PHARMACY #9246 (Continued)

1015740337

Waste code: U200

RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, Waste name:

11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER,

(3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

Waste code: U201

Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

Waste code: U204

Waste name: SELENIOUS ACID (OR) SELENIUM DIOXIDE

U205 Waste code:

SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T) Waste name:

Waste code:

D-GLUCOSE, 2-DEOXY-2-[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) Waste name:

GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR)

STREPTOZOTOCIN

Waste code: U210

Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Waste code:

Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Waste code: U411

Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

Historical Generators:

Date form received by agency: 09/04/2012

CVS PHARMACY NO 9246 Site name: Classification: Large Quantity Generator

Waste code: D001

IGNITABLE WASTE Waste name:

Waste code: D002

Waste name: **CORROSIVE WASTE**

Waste code: P001

2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, Waste name:

WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, &

SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

P042 Waste code:

Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR)

EPINEPHRINE

P075 Waste code:

Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, &

SALTS

Waste code: P081

1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R) Waste name:

Violation Status: No violations found

Direction Distance

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

D30 SHELL OIL LUST S113473461 **East**

N/A

23971 EL TORO RD 1/8-1/4 LAGUNA HILLS, CA 92653

0.163 mi.

863 ft. Site 2 of 7 in cluster D

ORANGE CO. LUST: Relative:

ORANGE Higher Region: Facility Id: 86UT103

Actual: Current Status: Certification (Case Closed)

378 ft. Released Substance: Waste oil/Used oil

> Date Closed: 08/16/1987 Case Type: Undetermined Record ID: RO0000913

U003996895 D31 SHELL (4056-0207) UST N/A

East **23971 EL TORO RD** 1/8-1/4 LAGUNA HILLS, CA 92653

0.163 mi.

Site 3 of 7 in cluster D 863 ft.

UST: Relative:

Facility ID: 2183 Higher

Permitting Agency: ORANGE COUNTY

Actual: Latitude: 33.6159677 378 ft. Longitude: -117.7072213

ORANGE CO. UST:

Facility ID: FA0052519

1015352752

D32 EDR US Hist Auto Stat

East 23971 EL TORO RD 1/8-1/4 LAGUNA HILLS, CA 92653

0.163 mi.

863 ft. Site 4 of 7 in cluster D

EDR Historical Auto Stations: Relative:

Name: SHELL SERVICE STATION Higher

Year: 1999

Actual: Address: 23971 EL TORO RD 378 ft.

Name: SHELL SERVICE STATION

> Year: 2001

Address: 23971 EL TORO RD

Name: SHELL SERVICE STATION

Year: 2002

23971 EL TORO RD Address:

Name: SHELL SERVICE STATION

Year:

Address: 23971 EL TORO RD

Name: SHELL SERVICE STATION

Year:

Address: 23971 EL TORO RD

Name: SHELL SERVICE STATION N/A

Direction Distance

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

(Continued) 1015352752

Year: 2006

23971 EL TORO RD Address:

Name: SHELL SERVICE STATION

Year: 2007

23971 EL TORO RD Address:

Name: SHELL SERVICE STATIONS

Year: 2009

Address: 23971 EL TORO RD

D33 SHELL OIL CO RCRA-SQG 1000288479 LUST CAD981458326

23971 EL TORO/ CARLOTA **East** 1/8-1/4 LAGUNA HILLS, CA 92653

RCRA-SQG:

0.163 mi. Site 5 of 7 in cluster D 863 ft.

Relative:

Higher Date form received by agency: 04/08/1998

Facility name: SHELL OIL CO Actual:

Facility address: 23971 EL TORO/ CARLOTA 378 ft. LAGUNA HILLS, CA 92653

EPA ID: CAD981458326

P O BOX 4453 Mailing address:

HOUSTON, TX 772104453

SONDRA BIENVENU Contact:

Contact address: P O BOX 4453

HOUSTON, TX 772104453

Contact country: US

Contact telephone: (713) 241-2258 Contact email: Not reported EPA Region: 09

Land type: Private

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: **NOT REQUIRED** Owner/operator address: **NOT REQUIRED**

NOT REQUIRED, ME 99999

Owner/operator country: Not reported Owner/operator telephone: (415) 555-1212 Legal status: Private Owner/Operator Type: Operator Owner/Op start date: Not reported Owner/Op end date: Not reported

Owner/operator name: **EQUILON ENTERPRISES LLC**

Owner/operator address: P O BOX 4453

HOUSTON, TX 77210

Owner/operator country: Not reported Owner/operator telephone: (713) 241-2258

Legal status: Private **HIST UST**

CA FID UST

HIST CORTESE

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL CO (Continued) 1000288479

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Nο Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Waste code: D001

Waste name: IGNITABLE WASTE

Waste code: D018
Waste name: BENZENE

Historical Generators:

Date form received by agency: 09/01/1996
Site name: SHELL OIL CO

Classification: Small Quantity Generator

Date form received by agency: 02/24/1992

Site name: SHELL SERVICE STATION 204-4056-0207

Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 07/28/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: State Contractor/Grantee

LUST:

 Region:
 STATE

 Global Id:
 T0605900287

 Latitude:
 33.6141849

 Longitude:
 -117.7084485

 Case Type:
 Not reported

Status: Open - Verification Monitoring

Status Date: 01/28/2013
Lead Agency: Not reported
Case Worker: NOM
Local Agency: Not reported

Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL CO (Continued) 1000288479

RB Case Number: 083000362T LOC Case Number: Not reported File Location: Not reported

Potential Media Affect: Aquifer used for drinking water supply

Potential Contaminants of Concern: Gasoline

Site History:

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605900287

Contact Type: Regional Board Caseworker Contact Name: NANCY OLSON-MARTIN

Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500

City: RIVERSIDE

Email: nolson-martin@waterboards.ca.gov

Phone Number: Not reported

Global Id: T0605900287

Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP

Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA
Email: jstrozier@ochca.com

Phone Number: 7144336273

Status History:

Global Id: T0605900287

Status: Open - Case Begin Date

Status Date: 09/11/1986

Global Id: T0605900287

Status: Open - Eligible for Closure

Status Date: 11/14/2012

Global Id: T0605900287
Status: Open - Remediation

Status Date: 06/10/1993

Global Id: T0605900287 Status: Open - Remediation

Status Date: 04/10/2002

Global Id: T0605900287
Status: Open - Remediation

Status Date: 01/09/2003

Global Id: T0605900287 Status: Open - Remediation

Status Date: 10/28/2004

Global Id: T0605900287
Status: Open - Remediation

Status Date: 11/02/2004

Direction Distance

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

SHELL OIL CO (Continued) 1000288479

T0605900287 Global Id: Open - Remediation Status:

05/05/2006 Status Date:

T0605900287 Global Id: Open - Remediation Status: Status Date: 01/31/2007

Global Id: T0605900287 Status: Open - Remediation 10/31/2007 Status Date:

Global Id: T0605900287 Status: Open - Remediation

01/31/2008 Status Date:

Global Id: T0605900287

Open - Site Assessment Status:

Status Date: 09/11/1986

Global Id: T0605900287

Status: Open - Site Assessment

Status Date: 12/01/1989

T0605900287 Global Id:

Status: Open - Site Assessment

02/26/1990 Status Date:

T0605900287 Global Id:

Status: Open - Site Assessment

Status Date: 02/09/2001

Global Id: T0605900287

Status: Open - Verification Monitoring

11/14/2012 Status Date:

Global Id: T0605900287

Status: Open - Verification Monitoring

Status Date: 01/28/2013

Regulatory Activities:

Global Id: T0605900287 Action Type: **ENFORCEMENT** 03/09/2004 Date:

Action: * Verbal Communication

Global Id: T0605900287 **ENFORCEMENT** Action Type: Date: 10/07/2005

Action: * Verbal Communication

Global Id: T0605900287 Action Type: **ENFORCEMENT** 01/10/2003 Date:

Action: * Verbal Communication

Global Id: T0605900287

Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

SHELL OIL CO (Continued) 1000288479

Action Type: ENFORCEMENT Date: 01/12/2005

Action: * Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 10/26/2004

 Action:
 Meeting

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 08/02/2005

Action: * Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 11/04/2005

 Action:
 * No Action

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 06/28/2005

 Action:
 Meeting

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 09/06/2006

 Action:
 Staff Letter

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 01/09/2003

 Action:
 Staff Letter

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 02/27/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 04/30/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 06/02/2008

Action: Well Installation Report

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 07/30/2012

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 12/30/2007

Direction Distance Elevation

Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

1000288479

EDR ID Number

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 12/30/2007

Action: Remedial Progress Report

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 05/01/2008

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 08/15/2009

Action: Other Report / Document

 Global Id:
 T0605900287

 Action Type:
 Other

 Date:
 04/10/1989

 Action:
 Leak Reported

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 07/30/2008

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 10/30/2008

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 11/28/2011

 Action:
 Staff Letter

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 04/30/2009

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 02/03/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 11/01/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 09/30/2011

Action: Monitoring Report - Semi-Annually

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

1000288479

EDR ID Number

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 02/29/2012

Action: Sensitive Receptor Survey Report

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 01/31/2007

Action: Remedial Progress Report

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 01/31/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 12/29/2004

 Action:
 * No Action

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 04/11/2008

Action: Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 04/15/2005

 Action:
 * No Action

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 10/30/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 12/30/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 02/25/2011

 Action:
 Staff Letter

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 02/06/2006

 Action:
 * No Action

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 04/30/2010

Action: Monitoring Report - Quarterly

Global Id: T0605900287 Action Type: RESPONSE

Direction Distance

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

SHELL OIL CO (Continued) 1000288479

Date: 04/30/2010

Remedial Progress Report Action:

Global Id: T0605900287 Action Type: **RESPONSE** Date: 03/30/2012

Action: Monitoring Report - Quarterly

Global Id: T0605900287 Action Type: **RESPONSE** 09/26/2012 Date: Action: Correspondence

Global Id: T0605900287 Action Type: **RESPONSE** Date: 08/30/2012

Action: Other Report / Document

Global Id: T0605900287 **RESPONSE** Action Type: Date: 05/02/2011

Action: Monitoring Report - Quarterly

Global Id: T0605900287 Action Type: **RESPONSE** Date: 05/12/2011

Action: Other Report / Document

T0605900287 Global Id: Action Type: **RESPONSE** 10/30/2009 Date:

Action: Remedial Progress Report

Global Id: T0605900287 RESPONSE Action Type: 02/04/2010 Date:

Action: Remedial Progress Report

Global Id: T0605900287 Action Type: **ENFORCEMENT** Date: 04/16/2008

Action: Verbal Enforcement

Global Id: T0605900287 Action Type: **ENFORCEMENT** Date: 07/09/2008 Action: Staff Letter

T0605900287 Global Id: Action Type: **ENFORCEMENT** 08/12/2008 Date: Action: Staff Letter

Global Id: T0605900287 **ENFORCEMENT** Action Type: Date: 01/28/2013 Action: Staff Letter

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

1000288479

EDR ID Number

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 05/06/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 11/14/2006

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 09/01/2006

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 05/15/2006

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 07/08/2011

 Action:
 Correspondence

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 04/30/2013

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 02/04/2010

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 08/30/2002

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 12/30/2002

Action: Corrective Action Plan / Remedial Action Plan

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 10/30/2002

Action: NPDES / WDR Reports

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 07/02/2003

Action: Other Report / Document

Global Id: T0605900287
Action Type: ENFORCEMENT

Direction Distance

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

SHELL OIL CO (Continued)

1000288479

Date: 05/19/2009

Site Visit / Inspection / Sampling Action:

Global Id: T0605900287 Action Type: **RESPONSE** 03/01/2004 Date:

Action: Other Report / Document

Global Id: T0605900287 Action Type: **RESPONSE** Date: 09/30/2007

Action: Monitoring Report - Quarterly

Global Id: T0605900287 Action Type: **RESPONSE** Date: 07/31/2006

Action: Monitoring Report - Quarterly

Global Id: T0605900287 **RESPONSE** Action Type: Date: 05/05/2006

Action: Remedial Progress Report

Global Id: T0605900287 Action Type: **RESPONSE** Date: 07/01/2005

Action: Monitoring Report - Quarterly

T0605900287 Global Id: Action Type: **RESPONSE** 12/30/2014 Date:

Action: Monitoring Report - Quarterly

Global Id: T0605900287 **ENFORCEMENT** Action Type: 04/01/2005 Date:

Action: * Verbal Communication

T0605900287 Global Id: Action Type: **ENFORCEMENT** Date: 09/10/2004 Action: * No Action

Global Id: T0605900287 **ENFORCEMENT** Action Type: Date: 03/07/2007

Action: **Verbal Communication**

T0605900287 Global Id: Action Type: **ENFORCEMENT** 11/03/2004 Date: Action: Staff Letter

Global Id: T0605900287 Action Type: **ENFORCEMENT** Date: 07/18/2008

Action: Technical Correspondence / Assistance / Other

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

1000288479

EDR ID Number

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 07/24/2008

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 06/18/2003

 Action:
 Staff Letter

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 11/30/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 09/11/2012

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 01/31/2011

Action: Remedial Progress Report

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 11/01/2010

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 11/01/2010

Action: Remedial Progress Report

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 12/30/2012

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 10/30/2014

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 07/14/2014

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 06/11/2015

Action: Email Correspondence

Global Id: T0605900287
Action Type: ENFORCEMENT

Direction Distance Elevation

on Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

1000288479

EDR ID Number

Date: 09/07/2004 Action: Meeting

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 05/30/2009

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 11/14/2012

 Action:
 Meeting

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 05/27/2009

 Action:
 Staff Letter

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 05/07/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 11/19/2010

 Action:
 Staff Letter

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 10/30/2009

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 05/30/2009

Action: Remedial Progress Report

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 02/28/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 07/30/2013

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 04/30/2015

Action: Monitoring Report - Quarterly

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 08/28/2003

Action: * Verbal Communication

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL CO (Continued) 1000288479

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 10/22/2003

Action: * Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 11/13/2003

 Action:
 * No Action

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 11/25/2003

 Action:
 Staff Letter

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 09/09/2003

Action: * Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 08/18/2003

 Action:
 Staff Letter

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 05/06/2003

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 05/10/2004

 Action:
 * No Action

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 02/04/2008

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 03/06/2008

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 07/06/2005

 Action:
 * No Action

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 05/14/2004

 Action:
 Staff Letter

Global Id: T0605900287
Action Type: ENFORCEMENT

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

1000288479

EDR ID Number

Date: 02/20/2007

Action: Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 03/19/2008

Action: Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 07/30/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 06/30/2003

Action: Other Report / Document

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 03/20/2004

Action: Other Report / Document

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 06/09/2005

Action: Soil and Water Investigation Report

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 05/06/2003

 Action:
 * No Action

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 08/30/2002

 Action:
 * No Action

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 10/08/2002

 Action:
 * No Action

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 08/18/2002

Action: * Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 06/12/2003

 Action:
 * No Action

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 04/30/2009

Action: Remedial Progress Report

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

1000288479

EDR ID Number

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 08/01/2011

Action: Monitoring Report - Semi-Annually

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 11/15/2011

Action: Site Assessment Report

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 01/17/2012

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 11/30/2013

Action: Monitoring Report - Semi-Annually - Regulator Responded

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 02/18/2014

Action: Monitoring Report - Quarterly - Regulator Responded

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 03/07/2008

 Action:
 Staff Letter

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 12/03/2007

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900287

 Action Type:
 Other

 Date:
 10/11/1989

 Action:
 Leak Discovery

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 08/09/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 Other

 Date:
 10/11/1989

 Action:
 Leak Stopped

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 07/03/2008

 Action:
 File review

Global Id: T0605900287
Action Type: ENFORCEMENT

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

SHELL OIL CO (Continued) 1000288479

Date: 03/12/2008

Action: Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 05/09/2008

Action: Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 10/06/2008

Action: Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 07/01/2009

 Action:
 Staff Letter

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 11/30/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 06/12/2015

Action: Email Correspondence - Regulator Responded

 Global Id:
 T0605900287

 Action Type:
 REMEDIATION

 Date:
 06/22/2005

Action: In Situ Physical/Chemical Treatment (other than SVE)

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 04/05/2004

 Action:
 Staff Letter

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 03/11/2004

 Action:
 * No Action

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 07/15/2004

 Action:
 Meeting

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 03/05/2004

Action: * Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 03/11/2005

Action: * Verbal Communication

Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL CO (Continued)

1000288479

EDR ID Number

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 07/23/2009

Action: Other Report / Document

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 07/23/2009

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900287

 Action Type:
 ENFORCEMENT

 Date:
 06/17/2011

 Action:
 Staff Letter

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 11/12/2008

Action: Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 02/28/2008

 Action:
 Other Workplan

Global Id: T0605900287
Action Type: ENFORCEMENT
Date: 03/14/2008

Action: Verbal Communication

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 10/26/2004

Action: Other Report / Document

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 10/30/2004

Action: CAP/RAP - Final Remediation / Design Plan

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 09/30/2007

Action: Remedial Progress Report

 Global Id:
 T0605900287

 Action Type:
 RESPONSE

 Date:
 01/31/2011

Action: Monitoring Report - Semi-Annually

 Region:
 STATE

 Global Id:
 T0605914410

 Latitude:
 33.614508

 Longitude:
 -117.708741

 Case Type:
 Not reported

Status: Completed - Case Closed

Direction Distance

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

SHELL OIL CO (Continued) 1000288479

Status Date: 08/16/1987 Not reported Lead Agency:

Case Worker: ΚL

Local Agency: Not reported 083000362T RB Case Number: LOC Case Number: Not reported File Location: Local Agency Under Investigation Potential Media Affect:

Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

T0605914410 Global Id:

Contact Type: Local Agency Caseworker Contact Name: **KEVIN LAMBERT** Organization Name: ORANGE COUNTY LOP Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA

Email: klambert@ochca.com

Phone Number: 7144336261

Global Id: T0605914410

Local Agency Caseworker Contact Type: Contact Name: JAMES STROZIER Organization Name: ORANGE COUNTY LOP

Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA Email: jstrozier@ochca.com

Phone Number: 7144336273

Global Id: T0605914410

Contact Type: Regional Board Caseworker Contact Name: **CARL BERNHARDT**

Organization Name: SANTA ANA RWQCB (REGION 8) Address: 3737 MAIN STREET, SUITE 500

RIVERSIDE City:

Email: cbernhardt@waterboards.ca.gov

Phone Number: 9517824495

Status History:

Global Id: T0605914410

Completed - Case Closed Status:

08/16/1987 Status Date:

Global Id: T0605914410

Status: Open - Case Begin Date

08/16/1987 Status Date:

LUST REG 8:

Region: County: Orange

Regional Board: Santa Ana Region Facility Status: Case Closed Case Number: 083000362T

Direction Distance Elevation

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

SHELL OIL CO (Continued)

1000288479

EDR ID Number

Local Case Num: 86UT103 Undefined Case Type: Waste Oil Substance: Qty Leaked: 0

Abate Method: Not reported Cross Street: Not reported Not reported Enf Type: Funding: Not reported How Discovered: Tank Closure How Stopped: Close Tank Leak Cause: Unknown Leak Source: Unknown T0605914410 Global ID: How Stopped Date: 9/9/9999 Enter Date: Not reported Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: Not reported Discover Date: 1/1/1965 **Enforcement Date:** Not reported Close Date: 8/16/1987 Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: Not reported Date Remediation Plan Submitted: Not reported Date Remedial Action Underway: Not reported Date Post Remedial Action Monitoring: Not reported Enter Date: Not reported **GW Qualifies:** Not reported Soil Qualifies: Not reported Operator: Not reported Facility Contact: Not reported Not reported Interim:

Oversite Program: LUST Latitude: Not reported Longitude: Not reported MTBE Date: Not reported Max MTBE GW: Not reported MTBE Concentration:

Max MTBE Soil:

Not reported

MTBE Fuel: MTBE Tested: Not Required to be Tested.

MTBE Class:

CAB Staff: Staff Initials: JS Lead Agency: Local Agency

Local Agency: 30000L Hydr Basin #: Not reported Beneficial: MUN Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported

Summary: Not reported

HIST UST:

STATE Region: Facility ID: 00000016230 Facility Type: Gas Station Other Type: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL CO (Continued) 1000288479

Contact Name: EED ENTERPRISES, INC

Telephone: 7148303930

Owner Name: SHELL OIL COMPANY
Owner Address: P. O. BOX 4848
Owner City, St, Zip: ANAHEIM, CA 92803

Total Tanks: 0004

 Tank Num:
 001

 Container Num:
 1

 Year Installed:
 1973

 Tank Capacity:
 00010000

 Tank Used for:
 PRODUCT

 Type of Fuel:
 UNLEADED

Container Construction Thickness: 1/4

Leak Detection: Stock Inventor, 10

 Tank Num:
 002

 Container Num:
 2

 Year Installed:
 1973

 Tank Capacity:
 00008000

 Tank Used for:
 PRODUCT

 Type of Fuel:
 REGULAR

Container Construction Thickness: 1/6

Leak Detection: Stock Inventor, 10

 Tank Num:
 003

 Container Num:
 3

 Year Installed:
 1973

 Tank Capacity:
 00008000

 Tank Used for:
 PRODUCT

 Type of Fuel:
 PREMIUM

Container Construction Thickness: 1/4

Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

 Tank Num:
 004

 Container Num:
 4

 Year Installed:
 1973

 Tank Capacity:
 00000550

 Tank Used for:
 WASTE

 Type of Fuel:
 WASTE OIL

Container Construction Thickness: 12

Leak Detection: Stock Inventor, 10

CA FID UST:

Facility ID: 30000539 Regulated By: UTNKA Regulated ID: Not reported Cortese Code: Not reported Not reported SIC Code: 7148303930 Facility Phone: Mail To: Not reported P O BOX Mailing Address: Mailing Address 2: Not reported

Mailing City, St, Zip: LAGUNA HILLS 92653

Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported

Direction Distance

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

SHELL OIL CO (Continued) 1000288479

NPDES Number: Not reported Not reported EPA ID: Not reported Comments: Active Status:

HIST CORTESE:

CORTESE Region: Facility County Code: 30 Reg By: LTNKA Reg Id: 083000362T

D34 LUST S104791742 SHELL #23971 **23971 EL TORO RD East** N/A

FPVEGTEDAS

1/8-1/4 LAGUNA HILLS, CA 92653

Abate Method:

0.163 mi.

863 ft. Site 6 of 7 in cluster D

LUST REG 8: Relative: Higher Region:

County: Orange Actual: Regional Board: Santa Ana Region

378 ft. Facility Status: Remedial action (cleanup) Underway

Case Number: 083000362T Local Case Num: 90UT018 Case Type: Aquifer affected Substance: Gasoline Qty Leaked: Not reported

AVENIDA DE LA CARLOTTA

Cross Street: Enf Type: VER Funding: Not reported How Discovered: Tank Test How Stopped: Not reported Leak Cause: Loose Fitting Leak Source: Piping T0605900287 Global ID: How Stopped Date: 10/11/1989 Enter Date: Not reported Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: 2/26/1990 Discover Date: 10/11/1989 **Enforcement Date:** 1/1/1965 Close Date: Not reported

Date Prelim Assessment Workplan Submitted: 12/1/1989 Date Pollution Characterization Began: 2/9/2001 Date Remediation Plan Submitted: 10/28/2004 Date Remedial Action Underway: 11/2/2004 Date Post Remedial Action Monitoring: Not reported Enter Date: Not reported

GW Qualifies: Soil Qualifies:

Operator: Not reported Facility Contact: Not reported Interim: Yes Oversite Program: LUST Latitude: 33.6141849 -117.7084485 Longitude:

Direction Distance

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

SHELL #23971 (Continued) S104791742

MTBE Date: 3/6/2002 Max MTBE GW: 55000 MTBE Concentration: 13 Max MTBE Soil: 6000 MTBE Fuel:

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected

MTBE Class:

Staff: NOM Staff Initials: JCS

Lead Agency: Regional Board

30000L Local Agency:

Hydr Basin #: ALISO CREEK (9-31) Beneficial: Not reported Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported

GW DEPTH = 13-17' BGS; GRADIENT = SW @ 0.0085 FT/FT. 1/96 - FP STILL Summary:

PRESENT IN MW-2. DISSOLVED PHASE BENZENE IN 1/96 WAS 10,193 PPB. CONDUCTED

LAST NPDES INSPECTION "B" ON 10/16/96.

D35 SHELL (4056-0207) **SWEEPS UST** U003984025 N/A

East 23971 EL TORO RD 1/8-1/4 LAGUNA HILLS, CA 92653

0.163 mi.

863 ft. Site 7 of 7 in cluster D

SWEEPS UST: Relative: Status: Not reported Higher

Comp Number: 2183 Actual: Number: Not reported 378 ft. Board Of Equalization: 44-000074 Referral Date: Not reported

Not reported Action Date: Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-002183-000002

Tank Status: Not reported 8000 Capacity: Active Date: Not reported UNKNOWN Tank Use: STG: **PRODUCT** Content: Not reported

Number Of Tanks:

Status: Not reported Comp Number: 2183 Not reported Number: Board Of Equalization: 44-000074 Referral Date: Not reported Action Date: Not reported Created Date: Not reported Not reported Owner Tank Id:

SWRCB Tank Id: 30-000-002183-000003

Tank Status: Not reported Capacity: 8000 Active Date: Not reported UNKNOWN Tank Use: **PRODUCT** STG:

Direction Distance Elevation

istance EDR ID Number levation Site Database(s) EPA ID Number

SHELL (4056-0207) (Continued)

U003984025

Content: Not reported Number Of Tanks: Not reported

Status: Not reported Comp Number: 2183

Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-002183-000004

Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Active Comp Number: 2183 Number: 9

Board Of Equalization: 44-000074
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SWRCB Tank ld: 30-000-002183-000001

Tank Status: A
Capacity: 550
Active Date: Not re-

Active Date: Not reported Tank Use: PETROLEUM

STG: P

Content: Not reported

Number Of Tanks: 5

Status: Active Comp Number: 2183 Number: 9

Board Of Equalization: 44-000074
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-002183-000009

Tank Status: A
Capacity: 9700
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P

Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2183
Number: 9

Direction Distance

Elevation Site Database(s) **EPA ID Number**

SHELL (4056-0207) (Continued)

Board Of Equalization: 44-000074 09-30-92 Referral Date: Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-002183-000010

Tank Status: Α 9700 Capacity: Active Date: Not reported Tank Use: M.V. FUEL

STG:

REG UNLEADED Content: Number Of Tanks: Not reported

Status: Active Comp Number: 2183 Number:

Board Of Equalization: 44-000074 Referral Date: 09-30-92 09-15-92 Action Date: Created Date: 02-29-88 Not reported Owner Tank Id:

SWRCB Tank Id: 30-000-002183-000011 Α

Tank Status:

9700 Capacity: Active Date: Not reported Tank Use: M.V. FUEL

STG:

REG UNLEADED Content: Number Of Tanks: Not reported

Status: Active Comp Number: 2183 Number:

Board Of Equalization: 44-000074 Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

30-000-002183-000012 SWRCB Tank Id:

Tank Status: Α Capacity: 9700 Active Date: Not reported M.V. FUEL Tank Use:

STG:

DIESEL Content: Number Of Tanks: Not reported U003984025

Direction Distance

Elevation Site Database(s) **EPA ID Number**

F36 **VALENCIA SHOPPING CENTER** SLIC S101854123 SSE

24191 PASEO DE VALENCIA N/A

1/8-1/4 LAGUNA HILLS, CA

0.171 mi.

901 ft. Site 2 of 3 in cluster F

SLIC: Relative: Higher Region:

Facility Status: **Completed - Case Closed**

Status Date: Actual: 02/22/1996 368 ft. Global Id: SLT8R2344011

> Lead Agency: SANTA ANA RWQCB (REGION 8)

STATE

Lead Agency Case Number: Not reported Latitude: 33.612577 Longitude: -117.712266

Case Type: Cleanup Program Site

Case Worker: Not reported Local Agency: Not reported RB Case Number: SLT8R234 File Location: Regional Board

Potential Media Affected: Other Groundwater (uses other than drinking water), Soil

Potential Contaminants of Concern: Tetrachloroethylene (PCE)

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 8:

Type: Soil and Groundwater

Facility Status: Closed Staff: MGC Substance: PCE

Regional Board Lead Agency:

Location Code: LH-1 Thomas Bros Code: 921-F1

37 **NEXCYCLE** SWRCY S107137535 **24270 EL TORO RD WSW** N/A

1/8-1/4 LAGUNA WOODS, CA 92637

0.171 mi. 904 ft.

SWRCY: Relative: Lower Reg Id: 28044 Cert Id: RC6530

Actual: Mailing Address: 800 N Haven Avenue Suite 120 362 ft.

Mailing City: Ontario Mailing State: CA Mailing Zip Code: 91764 Website: Not reported Email: Not reported

> (909) 796-2210 Phone Number: Grand Father: Ν Rural:

Operation Begin Date: 09/23/1995

Aluminium: Υ Glass: Υ Plastic: Υ Υ Bimetal: N/A Agency:

Direction Distance

Elevation Site Database(s) **EPA ID Number**

NEXCYCLE (Continued) S107137535

Monday Hours Of Operation: **CLOSED** Tuesday Hours Of Operation: **CLOSED**

Wednesday Hours Of Operation: 9:00 am - 4:00 pm; Closed 1:00 pm - 2:00 pm Thursday Hours Of Operation: 9:00 am - 4:00 pm; Closed 1:00 pm - 2:00 pm Friday Hours Of Operation: 9:00 am - 4:00 pm; Closed 1:00 pm - 2:00 pm Saturday Hours Of Operation: 9:00 am - 4:00 pm; Closed 1:00 pm - 2:00 pm Sunday Hours Of Operation: 9:00 am - 4:00 pm; Closed 1:00 pm - 2:00 pm

Organization ID: 18826

Organization Name: Contain-A-Way Inc

EDR US Hist Cleaners 1015026193 F38

SSE 24191 PASEO DE VALENCIA N/A

1/8-1/4 LAGUNA HILLS, CA 92653

0.173 mi.

911 ft. Site 3 of 3 in cluster F

EDR Historical Cleaners: Relative:

Name: PARK CLEANERS Higher

Year: 1999

Actual: 24191 PASEO DE VALENCIA Address:

368 ft.

LUST G39 **G&M OIL CO STATION #40** S101299823

ESE 23991 EL TORO ROAD **ENF** N/A 1/8-1/4 LAGUNA HILLS, CA 92654 **HIST CORTESE**

0.175 mi.

925 ft. Site 1 of 9 in cluster G

Relative:

LUST:

Region: STATE Higher Global Id: T0605900466 Actual: Latitude: 33.613824 370 ft. -117.7088745 Longitude: Case Type: Not reported

Status: Open - Remediation Status Date: 06/18/2007 Lead Agency: Not reported NOM Case Worker: Local Agency: Not reported RB Case Number: 083000580T

LOC Case Number: Not reported File Location: Not reported

Potential Media Affect: Aquifer used for drinking water supply

Potential Contaminants of Concern: Diesel Site History:

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605900466

Contact Type: Regional Board Caseworker Contact Name: NANCY OLSON-MARTIN SANTA ANA RWQCB (REGION 8) Organization Name: Address: 3737 MAIN STREET, SUITE 500

City: **RIVERSIDE**

Email: nolson-martin@waterboards.ca.gov

Phone Number: Not reported

Distance Elevation S

ation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

Global Id: T0605900466

Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP

Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Status History:

Global Id: T0605900466

Status: Open - Case Begin Date

Status Date: 11/01/1983

 Global Id:
 T0605900466

 Status:
 Open - Remediation

 Status Date:
 03/12/1990

 Global Id:
 T0605900466

 Status:
 Open - Remediation

 Status Date:
 06/15/1990

Global Id: T0605900466
Status: Open - Remediation

Status Date: 09/15/2003

Global Id: T0605900466
Status: Open - Remediation

Status Date: 01/16/2004

 Global Id:
 T0605900466

 Status:
 Open - Remediation

 Status Date:
 04/30/2004

Global Id: T0605900466
Status: Open - Remediation

 Status Date:
 01/25/2005

 Global Id:
 T0605900466

 Status:
 Open - Remediation

Status Date: 02/07/2007

 Global Id:
 T0605900466

 Status:
 Open - Remediation

 Status Date:
 06/18/2007

Global Id: T0605900466

Status: Open - Site Assessment

Status Date: 09/15/2003

Global Id: T0605900466

Status: Open - Site Assessment

Status Date: 02/16/2004

Global Id: T0605900466

Status: Open - Site Assessment

Status Date: 10/26/2004

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

Global Id: T0605900466

Status: Open - Site Assessment

Status Date: 02/11/2005

Regulatory Activities:

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 02/25/2005

 Action:
 * No Action

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 05/27/2008

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 06/03/2003

Action: * Mandatory Minimum Penalty

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 08/17/2005

Action: Notice of Responsibility

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 09/30/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 11/30/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 06/19/2013

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 08/02/2005

Action: * Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 12/20/2004

Action: * Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 03/30/2009

Action: Monitoring Report - Semi-Annually

Global Id: T0605900466
Action Type: ENFORCEMENT

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

Date: 03/21/2007

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 05/11/2007

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 06/28/2007

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 02/11/2005

Action: Soil and Water Investigation Workplan

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/20/2005

Action: Other Report / Document

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 06/30/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 05/30/2012

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 08/10/2012

Action: Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 08/10/2012

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/31/2006

Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/27/2008

Action: Other Report / Document

 Global Id:
 T0605900466

 Action Type:
 REMEDIATION

 Date:
 02/22/2013

Action: Ex Situ Physical/Chemical Treatment (other than P&T, SVE, or

Direction Distance

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

G&M OIL CO STATION #40 (Continued)

S101299823

Excavation)

Global Id: T0605900466 Action Type: Other Date: 06/13/1986 Leak Reported Action:

Global Id: T0605900466 Action Type: **RESPONSE** Date: 06/08/2009 Action: Correspondence

Global Id: T0605900466 Action Type: **RESPONSE** Date: 11/18/2008

Action: Monitoring Report - Quarterly

Global Id: T0605900466 Action Type: **ENFORCEMENT** 07/03/2007 Date: Action: Staff Letter

Global Id: T0605900466 Action Type: RESPONSE Date: 09/10/2008

Action: Soil and Water Investigation Workplan

Global Id: T0605900466 Action Type: **RESPONSE** Date: 07/15/2009

Other Report / Document Action:

Global Id: T0605900466 Action Type: **ENFORCEMENT** 12/28/2006 Date:

Action: Technical Correspondence / Assistance / Other

Global Id: T0605900466 **RESPONSE** Action Type: Date: 03/30/2013

Action: Monitoring Report - Quarterly

Global Id: T0605900466 Action Type: **RESPONSE** Date: 11/22/2006

Action: Monitoring Report - Quarterly

T0605900466 Global Id: Action Type: RESPONSE 11/30/2006 Date:

Action: Monitoring Report - Quarterly

T0605900466 Global Id: Action Type: RESPONSE Date: 03/30/2006

Action: Monitoring Report - Quarterly

Direction
Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 12/22/2011

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 02/16/2010

Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 06/18/2007

Action: Remedial Progress Report

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 12/13/2011

Action: Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 12/14/2011

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 11/18/2011

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 11/30/2011

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 12/06/2011

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 02/28/2007

Action: Remedial Progress Report

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 03/30/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 06/30/2007

Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: ENFORCEMENT

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

Date: 09/16/2004 Action: Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 11/10/2003

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 03/01/2005

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 06/02/2005

Action: * Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 12/15/2004

 Action:
 * No Action

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 07/15/2004

 Action:
 Meeting

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 03/04/2005

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 07/20/2005

 Action:
 * No Action

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 01/30/2005

Action: Remedial Progress Report

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 02/22/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 02/25/2011

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 09/02/2008

Action: Verbal Communication

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 03/30/2008

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 03/30/2012

Action: Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/30/2010

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 09/30/2010

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/30/2010

Action: Other Report / Document

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 08/01/2008

Action: Final Remedial Action Report / Corrective Action Report

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 03/30/2011

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 04/08/2011

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 01/31/2011

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 03/16/2011

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 08/30/2005

Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE

Direction Distance Elevation

ation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

Date: 06/28/2010

Action: Other Report / Document

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 06/28/2005

Action: Other Report / Document

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 05/30/2003

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 04/30/2003

Action: Tank Removal Report / UST Sampling Report

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 09/15/2003

Action: Soil and Water Investigation Workplan

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 10/27/2005

Action: * Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 08/24/2005

Action: * Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 08/25/2005

Action: * Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 08/19/2009

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 06/28/2005

Action: Soil and Water Investigation Report

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 08/14/2006

 Action:
 Unknown

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 05/09/2011

Action: Monitoring Report - Quarterly

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 05/25/2011

Action: Other Report / Document

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 02/28/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 04/01/2004

 Action:
 * No Action

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 03/07/2006

Action: Waste Discharge Requirements

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 02/27/2015

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 08/30/2003

Action: NPDES / WDR Reports

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 01/30/2004

Action: Remedial Progress Report

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 02/16/2004

Action: Soil and Water Investigation Report

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 05/18/2006

Action: Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 08/09/2006

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 11/14/2006

Action: Verbal Communication

Global Id: T0605900466
Action Type: ENFORCEMENT

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

Date: 05/08/2009 Action: Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 05/11/2011

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 03/26/2012

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/30/2004

Action: NPDES / WDR Reports

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 10/26/2004

Action: Other Report / Document

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 11/10/1988

Action: Clean-up and Abatement Order

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/08/2008

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 09/11/2008

Action: Final Remedial Action Report / Corrective Action Report

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/16/2010

Action: Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/16/2010

Action: Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 05/03/2010

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 09/30/2007

Action: Monitoring Report - Quarterly

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 05/01/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 02/20/2014

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 04/30/2015

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 05/30/2014

Action: Monitoring Report - Quarterly

Global Id: T0605900466
Action Type: RESPONSE
Date: 10/30/2014

Action: NPDES / WDR Reports

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 01/30/2015

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/30/2014

Action: NPDES / WDR Reports

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 03/17/2010

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 01/17/2014

Action: Waste Discharge Requirements

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 04/30/2004

Action: Remedial Progress Report

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 07/21/2010

 Action:
 Meeting

Global Id: T0605900466
Action Type: ENFORCEMENT

Direction Distance

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

G&M OIL CO STATION #40 (Continued)

S101299823

Date: 03/29/2005 * No Action Action:

Global Id: T0605900466 Action Type: **ENFORCEMENT** 06/28/2005 Date: Action: Meeting

Global Id: T0605900466 Action Type: **ENFORCEMENT** Date: 07/01/2005 * No Action Action:

Global Id: T0605900466 Action Type: **ENFORCEMENT** 03/25/2005 Date:

Action: * Verbal Communication

Global Id: T0605900466 **ENFORCEMENT** Action Type: Date: 04/01/2005

Action: * Verbal Communication

Global Id: T0605900466 Action Type: **ENFORCEMENT** Date: 02/24/2005 Action: * No Action

T0605900466 Global Id: Action Type: **ENFORCEMENT** 03/07/2007 Date:

Action: Verbal Communication

Global Id: T0605900466 **ENFORCEMENT** Action Type: 04/19/2005 Date:

Action: * Verbal Communication

T0605900466 Global Id: Action Type: **ENFORCEMENT** Date: 04/22/2005

Action: * Verbal Communication

Global Id: T0605900466 Action Type: **ENFORCEMENT** Date: 09/28/2005

Action: * Verbal Communication

Global Id: T0605900466 Action Type: **ENFORCEMENT** Date: 09/09/2005

Action: * Verbal Communication

Global Id: T0605900466 Action Type: **ENFORCEMENT** Date: 09/07/2005 Action: * No Action

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 06/29/2001

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 07/30/2008

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 12/03/2003

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 10/24/2003

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 12/30/2004

Action: NPDES / WDR Reports

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 12/30/2004

Action: NPDES / WDR Reports

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 12/10/2012

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 12/10/2012

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 08/10/2012

Action: Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 01/10/2013

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/30/2014

Action: Monitoring Report - Semi-Annually

Global Id: T0605900466
Action Type: RESPONSE

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

Date: 07/30/2014

Action: NPDES / WDR Reports

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/30/2014

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 10/30/2014

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/09/2015

Action: Site Assessment Report

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 04/01/2003

Action: * Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 08/27/2009

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 01/25/2010

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 10/01/2009

Action: Well Destruction Report

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 10/31/2008

Action: Staff Letter - #10/31/2008

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 09/03/2008

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 03/18/2009

 Action:
 Staff Letter

Global Id: T0605900466
Action Type: RESPONSE
Date: 08/26/2009

Action: Monitoring Report - Quarterly

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 10/06/2008

Action: Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 05/05/2004

Action: Other Report / Document

Global Id: T0605900466
Action Type: RESPONSE
Date: 10/26/2004

Action: Other Report / Document

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 05/20/2014

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 06/11/2014

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 11/06/2003

 Action:
 * No Action

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 07/29/2004

 Action:
 * No Action

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 06/24/2003

Action: Rescission of Enforcement Action

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 09/16/2003

Action: * Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 10/10/2003

 Action:
 * No Action

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 05/06/2003

Action: Site Visit / Inspection / Sampling

Global Id: T0605900466
Action Type: ENFORCEMENT

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number**

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

01/20/2004 Date:

* Verbal Communication Action:

Global Id: T0605900466 Action Type: **ENFORCEMENT** Date: 06/22/2005

Action: * Verbal Communication

Global Id: T0605900466 Action Type: **ENFORCEMENT** Date: 10/07/2004 * No Action Action:

Global Id: T0605900466 Action Type: **ENFORCEMENT** Date: 10/01/2006

Action: Verbal Enforcement

Global Id: T0605900466 **ENFORCEMENT** Action Type: Date: 06/23/2005

Action: * Verbal Communication

Global Id: T0605900466 Action Type: **ENFORCEMENT** Date: 05/11/2005

Action: * Verbal Communication

T0605900466 Global Id: Action Type: **ENFORCEMENT** 05/12/2005 Date: Action: File review

Global Id: T0605900466 **ENFORCEMENT** Action Type: 12/28/2004 Date: Action: Staff Letter

T0605900466 Global Id: Action Type: **ENFORCEMENT** Date: 06/09/2006

Action: Verbal Communication

Global Id: T0605900466 Action Type: **ENFORCEMENT** Date: 08/30/2006

Action: Technical Correspondence / Assistance / Other

Global Id: T0605900466 Action Type: **RESPONSE** Date: 03/23/2005

Action: Other Report / Document

Global Id: T0605900466 Action Type: **RESPONSE** Date: 10/30/2004

Action: NPDES / WDR Reports

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 02/16/2004

Action: Other Report / Document

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 08/30/2003

Action: NPDES / WDR Reports

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 09/30/2003

Action: Remedial Progress Report

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 04/16/2004

Action: * Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 03/28/2003

 Action:
 File review

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 05/06/2003

 Action:
 * No Action

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 08/18/2002

Action: * Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 05/16/2003

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 07/26/2005

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 03/21/2002

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 03/20/2003

 Action:
 * No Action

Global Id: T0605900466
Action Type: ENFORCEMENT

Direction Distance

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

G&M OIL CO STATION #40 (Continued)

S101299823

Date: 03/22/2004

* Verbal Communication Action:

Global Id: T0605900466 Action Type: **ENFORCEMENT** Date: 03/14/2004

* Verbal Communication Action:

Global Id: T0605900466 Action Type: **ENFORCEMENT** Date: 04/20/2004 Staff Letter Action:

Global Id: T0605900466 Action Type: RESPONSE Date: 09/22/2009 Action: Correspondence

Global Id: T0605900466 **RESPONSE** Action Type: Date: 08/10/2009

Other Report / Document Action:

Global Id: T0605900466 Action Type: RESPONSE Date: 06/28/2011 Action: Correspondence

T0605900466 Global Id: Action Type: RESPONSE 07/13/2011 Date:

Action: Well Destruction Report

Global Id: T0605900466 RESPONSE Action Type: 10/28/2011 Date: Action: Correspondence

T0605900466 Global Id: Action Type: RESPONSE Date: 09/28/2011 Action: Correspondence

Global Id: T0605900466 Action Type: **RESPONSE** Date: 08/05/2011

Action: Other Report / Document

Global Id: T0605900466 Action Type: **RESPONSE** Date: 08/05/2011

Action: Monitoring Report - Quarterly

Global Id: T0605900466 Action Type: RESPONSE Date: 03/28/2012

Action: Monitoring Report - Quarterly

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 03/05/2012

Action: Tank Removal Report / UST Sampling Report

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 03/30/2012

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 10/10/2012

Action: Well Installation Report

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 06/04/2013

Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0605900466
Action Type: ENFORCEMENT
Date: 08/15/2007

Action: Technical Correspondence / Assistance / Other

Global Id: T0605900466

Action Type: ENFORCEMENT Date: 06/25/2008

Action: Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 02/08/2008

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 06/30/2003

Action: NPDES / WDR Reports

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 03/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 Other

 Date:
 11/01/1983

 Action:
 Leak Discovery

 Global Id:
 T0605900466

 Action Type:
 Other

 Date:
 11/01/1983

 Action:
 Leak Stopped

Global Id: T0605900466
Action Type: ENFORCEMENT

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

Date: 05/30/2008 Action: Staff Letter

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 02/15/2009

Action: Soil and Water Investigation Report

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 07/01/2009

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 04/04/2012

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 08/15/2014

Action: Site Assessment Report

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 01/30/2008

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 08/09/2013

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 10/26/2004

Action: Soil and Water Investigation Workplan

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 07/23/2014

Action: Site Assessment Report - Regulator Responded

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 05/15/2015

Action: Soil and Water Investigation Workplan - Regulator Responded

 Global Id:
 T0605900466

 Action Type:
 REMEDIATION

 Date:
 01/01/1991

Action: Pump & Treat (P&T) Groundwater

 Global Id:
 T0605900466

 Action Type:
 REMEDIATION

 Date:
 03/19/2007

Action: In Situ Physical/Chemical Treatment (other than SVE)

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

 Global Id:
 T0605900466

 Action Type:
 REMEDIATION

 Date:
 03/19/2007

Action: In Situ Physical/Chemical Treatment (other than SVE)

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 03/28/2003

 Action:
 Staff Letter

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 01/30/2003

Action: NPDES / WDR Reports

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 03/03/2006

Action: Rescission of Enforcement Action

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 09/07/2004

 Action:
 Meeting

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 05/14/2004

 Action:
 * No Action

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 12/12/2004

Action: * Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 10/26/2004

 Action:
 Meeting

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 08/10/2009

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 11/09/2009

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 02/19/2013

 Action:
 Staff Letter

Global Id: T0605900466
Action Type: RESPONSE

Direction Distance Elevation

istance EDR ID Number
Ilevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

Date: 09/10/2008

Action: Corrective Action Plan / Remedial Action Plan - Addendum

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 09/04/2008

Action: Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 02/03/2009

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 01/10/1986

Action: * Historical Enforcement

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 12/03/2007

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605900466

 Action Type:
 ENFORCEMENT

 Date:
 10/01/2007

Action: Verbal Communication

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 03/30/2005

Action: NPDES / WDR Reports

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 11/01/2010

Action: Monitoring Report - Quarterly

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 02/28/2013

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 RESPONSE

 Date:
 03/08/2013

 Action:
 Correspondence

 Global Id:
 T0605900466

 Action Type:
 REMEDIATION

 Date:
 11/28/2006

Action: Soil Vapor Extraction (SVE)

 Global Id:
 T0605900466

 Action Type:
 REMEDIATION

 Date:
 09/16/2008

Action: In Situ Physical/Chemical Treatment (other than SVE)

Direction Distance Elevation

ation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

 Global Id:
 T0605900466

 Action Type:
 REMEDIATION

 Date:
 01/01/1993

Action: Soil Vapor Extraction (SVE)

ENF:

Status:

Status Date:

Region: 8
Facility Id: 228377
Agency Name: Not reported

Place Type: Service/Commercial
Place Subtype: Gasoline Service Station

Facility Type:
All other facilities
Agency Type:
Who f Agencies:
Place Latitude:
Place Longitude:
SIC Code 1:
All other facilities
Not reported
Not reported
Not reported
4959

SIC Desc 1: Sanitary Services, NEC

SIC Code 2: Not reported SIC Desc 2: Not reported SIC Code 3: Not reported SIC Desc 3: Not reported NAICS Code 1: Not reported NAICS Desc 1: Not reported NAICS Code 2: Not reported NAICS Desc 2: Not reported NAICS Code 3: Not reported NAICS Desc 3: Not reported

Of Places: 1

Source Of Facility: Enf Action Design Flow: Not reported Threat To Water Quality: Not reported Complexity: Not reported Pretreatment: Not reported Facility Waste Type: Not reported Facility Waste Type 2: Not reported Facility Waste Type 3: Not reported Facility Waste Type 4: Not reported Program: Not reported Program Category1: Not reported Program Category2: **NPDESWW** # Of Programs: Not reported Not reported WDID: Reg Measure Id: Not reported Reg Measure Type: Not reported Region: Not reported Order #: Not reported Npdes# CA#: Not reported Major-Minor: Not reported Npdes Type: Not reported Reclamation: Not reported Dredge Fill Fee: Not reported 301H: Not reported Application Fee Amt Received: Not reported

Not reported

Not reported

Direction Distance Elevation

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

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

Effective Date: Not reported Not reported Expiration/Review Date: Not reported Termination Date: WDR Review - Amend: Not reported WDR Review - Revise/Renew: Not reported Not reported WDR Review - Rescind: WDR Review - No Action Required: Not reported WDR Review - Pending: Not reported WDR Review - Planned: Not reported Status Enrollee: Not reported Individual/General: Not reported Fee Code: Not reported Direction/Voice: Not reported Enforcement Id(EID): 222312 Region: Order / Resolution Number: 86-014

Enforcement Action Type: Clean-up and Abatement Order

01/10/1986 Effective Date: Adoption/Issuance Date: Not reported Not reported Achieve Date: Termination Date: Not reported ACL Issuance Date: Not reported **EPL Issuance Date:** Not reported Status: Historical

Title: Enforcement - 8 302505001

INITIATE GROUNDWATER CLEANUP. Description:

Program: **NPDESWW** Latest Milestone Completion Date: Not reported

Of Programs1: **Total Assessment Amount:** 0.00 Initial Assessed Amount: 0.00 Liability \$ Amount: 0.00 Project \$ Amount: 0.00 Liability \$ Paid: 0.00 Project \$ Completed: 0.00 Total \$ Paid/Completed Amount: 0.00

Region: 8 Facility Id: 228377 Agency Name: Not reported Place Type: Service/Commercial Place Subtype: Gasoline Service Station Facility Type: All other facilities Not reported

Agency Type: # Of Agencies: Not reported Place Latitude: Not reported Place Longitude: Not reported 4959 SIC Code 1:

SIC Desc 1: Sanitary Services, NEC

SIC Code 2: Not reported SIC Desc 2: Not reported SIC Code 3: Not reported SIC Desc 3: Not reported NAICS Code 1: Not reported NAICS Desc 1: Not reported NAICS Code 2: Not reported NAICS Desc 2: Not reported

Direction Distance Elevation

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

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

NAICS Code 3: Not reported NAICS Desc 3: Not reported # Of Places:

Source Of Facility: Design Flow:

Enf Action Not reported Threat To Water Quality: Not reported Not reported Complexity: Pretreatment: Not reported Facility Waste Type: Not reported Facility Waste Type 2: Not reported Facility Waste Type 3: Not reported Facility Waste Type 4: Not reported Program: Not reported Program Category1: Not reported **NPDESWW** Program Category2:

Of Programs: Not reported WDID: Not reported Reg Measure Id: Not reported Reg Measure Type: Not reported Region: Not reported Order #: Not reported Npdes# CA#: Not reported Not reported Major-Minor: Npdes Type: Not reported Not reported Reclamation: Dredge Fill Fee: Not reported 301H: Not reported Application Fee Amt Received: Not reported

Status: Not reported Status Date: Not reported Effective Date: Not reported Expiration/Review Date: Not reported Termination Date: Not reported WDR Review - Amend: Not reported WDR Review - Revise/Renew: Not reported Not reported WDR Review - Rescind: WDR Review - No Action Required: Not reported WDR Review - Pending: Not reported WDR Review - Planned: Not reported Status Enrollee: Not reported Individual/General: Not reported Fee Code: Not reported Direction/Voice: Not reported

Region: 8 88-109 Order / Resolution Number:

Enforcement Id(EID):

Enforcement Action Type: Clean-up and Abatement Order

222209

11/10/1988 Effective Date: Adoption/Issuance Date: Not reported Achieve Date: Not reported 03/03/2006 Termination Date: ACL Issuance Date: Not reported **EPL Issuance Date:** Not reported Status: Historical

Title: CAO 88-109 for Wright Oil Company Description: **GROUNDWATER CLEANUP**

Program: **NPDESWW**

Direction Distance

Elevation Site Database(s) EPA ID Number

G&M OIL CO STATION #40 (Continued)

S101299823

EDR ID Number

Latest Milestone Completion Date:
Of Programs1:
Total Assessment Amount:

Not reported
1
0.00

 Total Assessment Amount:
 0.00

 Initial Assessed Amount:
 0.00

 Liability \$ Amount:
 0.00

 Project \$ Amount:
 0.00

 Liability \$ Paid:
 0.00

 Project \$ Completed:
 0.00

 Total \$ Paid/Completed Amount:
 0.00

 Region:
 8

 Facility Id:
 228377

Agency Name: 23991 El Toro Inc
Place Type: Service/Commercial
Place Subtype: Gasoline Service Station
Facility Type: All other facilities

Agency Type: Privately-Owned Business

Of Agencies:

Place Latitude: Not reported Place Longitude: Not reported SIC Code 1: 4959

SIC Desc 1: Sanitary Services, NEC

SIC Code 2: Not reported SIC Desc 2: Not reported SIC Code 3: Not reported SIC Desc 3: Not reported NAICS Code 1: Not reported NAICS Desc 1: Not reported NAICS Code 2: Not reported NAICS Desc 2: Not reported Not reported NAICS Code 3: NAICS Desc 3: Not reported

Of Places:

Source Of Facility: Reg Meas
Design Flow: 0.001
Threat To Water Quality: 3
Complexity: A

Pretreatment: X - Facility is not a POTW
Facility Waste Type: Contaminated ground water

Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported

Program: WDRNONMUNIPRCS

Program Category1: WDR
Program Category2: WDR
Of Programs: 1

 WDID:
 8 302708001

 Reg Measure Id:
 205976

 Reg Measure Type:
 Enrollee

 Region:
 8

Order #: R8-2002-0033
Npdes# CA#: Not reported
Major-Minor: Not reported
Npdes Type: Not reported
Reclamation: N - No
Dredge Fill Fee: Not reported
301H: Not reported

Direction Distance

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

G&M OIL CO STATION #40 (Continued)

S101299823

Application Fee Amt Received: Not reported Historical Status: 08/16/2006 Status Date: Effective Date: 08/15/2002 Expiration/Review Date: Not reported 08/16/2006 **Termination Date:** Not reported WDR Review - Amend: WDR Review - Revise/Renew: Not reported WDR Review - Rescind: Not reported WDR Review - No Action Required: Not reported WDR Review - Pending: Not reported WDR Review - Planned: Not reported

Status Enrollee: Individual/General:

58 - Non15 Based on (TTWQ)/CPLX) Fee Code:

Direction/Voice: Passive Enforcement Id(EID): 243498 Region:

R8-2003-0059 Order / Resolution Number: Admin Civil Liability Enforcement Action Type:

Effective Date: 05/30/2003 Adoption/Issuance Date: Not reported Achieve Date: Not reported Termination Date: Not reported Not reported ACL Issuance Date: EPL Issuance Date: Not reported Status: Withdrawn

Title: Enforcement - 8 302708001

Description: Mandatory penalty based MTBE effluent violation. Based on

new information submitted by the legal representative and

the insurance carrier, this MPC was withdrawn.

Program: **WDRNONMUNIPRCS**

Latest Milestone Completion Date: Not reported

Of Programs1: 0.00 **Total Assessment Amount:** Initial Assessed Amount: 0.00 Liability \$ Amount: 0.00 Project \$ Amount: 0.00 Liability \$ Paid: 0.00 Project \$ Completed: 0.00 Total \$ Paid/Completed Amount: 0.00

HIST CORTESE:

CORTESE Region: Facility County Code: 30 WBC&D Reg By: Reg Id: 8 302505001

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

G40 WRIGHT OIL #9 HIST UST U001577413
ESE 23991 EL TORO RD N/A

1/8-1/4 LAGUNA HILLS, CA 92653

Telephone:

0.175 mi.

925 ft. Site 2 of 9 in cluster G

Relative: Higher

Actual:

370 ft.

HIST UST:

Region: STATE
Facility ID: 00000043924
Facility Type: Gas Station
Other Type: Not reported
Contact Name: A.S. SWAIN

Owner Name: WILLIAM AND BARBARA WRIGHT

7145867484

Owner Address: 8681 N. MAGNOLIA
Owner City, St, Zip: SANTEE, CA 92071

Total Tanks: 0005

Tank Num: 001 Container Num: 3

Year Installed:

Tank Capacity:

Tank Used for:

Type of Fuel:

Container Construction Thickness:

Not reported

00012000

PRODUCT

UNLEADED

Not reported

Leak Detection: Visual, Stock Inventor

Tank Num: 002 Container Num: 4

Year Installed:

Tank Capacity:

O0012000

Tank Used for:

Type of Fuel:

Container Construction Thickness:

Not reported

UNLEADED

Not reported

Leak Detection: Visual, Stock Inventor

Tank Num: 003 Container Num: 5

Year Installed:
Tank Capacity:
O0012000
Tank Used for:
Type of Fuel:
Container Construction Thickness:
Not reported

Leak Detection: Visual, Stock Inventor

Tank Num: 004 Container Num: 1

Year Installed: Not reported Tank Capacity: 00008000 Tank Used for: PRODUCT Type of Fuel: Not reported Container Construction Thickness: Not reported

Leak Detection: Visual, Stock Inventor

Tank Num: 005 Container Num: 2

Year Installed: Not reported Tank Capacity: 00010000 Tank Used for: PRODUCT

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

WRIGHT OIL #9 (Continued) U001577413

Type of Fuel: DIESEL Container Construction Thickness: Not reported

Leak Detection: Visual, Stock Inventor

G41 G & M OIL CO INC #40 UST U003700373
ESE 23991 EL TORO RD SWEEPS UST N/A

1/8-1/4 LAGUNA HILLS, CA 92653

0.175 mi.

925 ft. Site 3 of 9 in cluster G

Relative: UST:

Higher Facility ID: 4836

ORANGE CO. UST:

Facility ID: FA0024216

SWEEPS UST:

Status: Active Comp Number: 4836 Number: 9

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

SWRCB Tank ld: 30-000-004836-000001

5

Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED

Status: Active

Number Of Tanks:

Comp Number: 4836 Number: 9 Board Of Equalization: Not re

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-004836-000002

Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P

Content: OTHER
Number Of Tanks: Not reported

Status: Active Comp Number: 4836 Number: 9

Direction Distance

Elevation Site Database(s) **EPA ID Number**

G & M OIL CO INC #40 (Continued)

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-004836-000003

Tank Status: Α 12000 Capacity: Active Date: Not reported Tank Use: M.V. FUEL

STG:

REG UNLEADED Content: Number Of Tanks: Not reported

Status: Active Comp Number: 4836 Number: 9

Board Of Equalization: Not reported Referral Date: 09-30-92 09-15-92 Action Date: Created Date: 02-29-88 Not reported Owner Tank Id:

SWRCB Tank Id: 30-000-004836-000004 Α

Tank Status:

10000 Capacity: Active Date: Not reported Tank Use: M.V. FUEL STG: **DIESEL** Content: Number Of Tanks: Not reported

Status: Active Comp Number: 4836 Number:

Not reported Board Of Equalization: Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

30-000-004836-000005 SWRCB Tank Id:

Tank Status: Α Capacity: 8000 Active Date: Not reported M.V. FUEL Tank Use:

STG:

DIESEL Content: Number Of Tanks: Not reported U003700373

EDR ID Number

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

G42 TRANS-TECH RESOURCES INC. CERC-NFRAP 1003879940
ESE 23991 EL TORO ROAD CA0000305052

ESE 23991 EL TORO ROAD 1/8-1/4 LAGUNA HILLS, CA 92653

0.175 mi.

925 ft. Site 4 of 9 in cluster G

Relative: CERC-NFRAP:

Higher Site ID: 0905021

Federal Facility: Not a Federal Facility

Actual: NPL Status: Not on the NPL

370 ft. Non NPL Status: SI Start Needed

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13287710.00000
Person ID: 13003854.00000

Contact Sequence ID: 13293305.00000
Person ID: 13003858.00000

Contact Sequence ID: 13299163.00000 Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: ARCHIVE SITE

Date Started: //
Date Completed: 07/07/99
Priority Level: Not reported

Action: DISCOVERY Date Started: //

Date Started: //
Date Completed: 05/20/94
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: 02/23/99
Date Completed: 06/29/99
Priority Level: Not reported

G43 WRIGHT PETROLEUM LUST S101631404

8

Orange

ESE 23991 EL TORO RD CA FID UST N/A 1/8-1/4 LAGUNA HILLS, CA 92667 CA FID UST N/A HIST CORTESE

0.175 mi.

925 ft. Site 5 of 9 in cluster G

Relative:

LUST REG 8:

Higher Region: County:

Actual:Regional Board:Santa Ana Region370 ft.Facility Status:Pollution Characterization

Case Number: 083000580T
Local Case Num: 85UT052
Case Type: Aquifer affected
Substance: Diesel
Qty Leaked: Not reported
Abate Method: EDFPGTVE

Cross Street: AVENIDA DE LA CARLOTTA

Enf Type: SEL

Funding: Federal Funds
How Discovered: Nuisance Conditions

Direction Distance

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

WRIGHT PETROLEUM (Continued)

S101631404

How Stopped: Not reported Loose Fitting Leak Cause: Leak Source: Piping Global ID: T0605900466 How Stopped Date: 11/1/1983 Enter Date: 7/20/1987 Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: 2/16/2004 Discover Date: 11/1/1983 **Enforcement Date:** 11/10/1988 Close Date: Not reported Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: 10/26/2004 Date Remediation Plan Submitted: 6/15/1990 Date Remedial Action Underway: 4/30/2004 Date Post Remedial Action Monitoring: Not reported Enter Date: 7/20/1987

GW Qualifies:

Soil Qualifies: Not reported Operator: Not reported Facility Contact: Not reported Interim: Not reported Oversite Program: LUST Latitude: 33.613824 Longitude: -117.7088745 MTBE Date: 11/1/2000 Max MTBE GW: 1600 MTBE Concentration: 5 Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected

MTBE Class: С Staff: NOM Staff Initials: **JCS**

Regional Board Lead Agency: Local Agency: 30000L

Hydr Basin #: ALISO CREEK (9-31)

Beneficial: Not reported Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported

REVISED RAP SUBMITTED 6/15/90 (BING YEN & AGI). FURTHER ENFORCEMENT ACTION Summary:

MAY BE REQUIRED. SIX RESPONSIBLE PARTIES FOR THIS SITE (CAO #88-109) SEE FILE.

CONDUCTED LAST NPDES INSPECTION ON 10/16/96.

CA FID UST:

Facility ID: 30000628 Regulated By: **UTNKA** Regulated ID: Not reported Cortese Code: Not reported SIC Code: Not reported Facility Phone: Not reported Not reported Mail To:

Mailing Address: 15402 ELECTRONIC LN O J OT

Mailing Address 2: Not reported

Mailing City, St, Zip: LAGUNA HILLS 92653

Contact: Not reported

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

WRIGHT PETROLEUM (Continued)

S101631404

Contact Phone: Not reported DUNs Number: Not reported NPDES Number: Not reported EPA ID: Not reported Comments: Not reported Status: Active

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000580T

G44 TEXACO HIST UST U001577412
ESE 23991 EL TORO RD N/A

1/8-1/4 LAGUNA HILLS, CA 92653

0.175 mi.

925 ft. Site 6 of 9 in cluster G

Relative: HIST UST:

 Higher
 Region:
 STATE

 Facility ID:
 00000004509

 Actual:
 Facility Type:
 Gas Station

 370 ft.
 Other Type:
 Not reported

 Contact Name:
 Not reported

Telephone: 6194495140
Owner Name: EXPRESS GASOLINE
Owner Address: 8681 N MAGNOLIA AVE
Owner City,St,Zip: SANTEE, CA 92071

Total Tanks: 0018

Tank Num: 001 Container Num: 1

Year Installed:
Tank Capacity:
O0012000
Tank Used for:
Type of Fuel:
Container Construction Thickness:
Not reported

Leak Detection: Stock Inventor, Groundwater Monitoring Well

Tank Num: 002 Container Num: 2

Year Installed:
Tank Capacity:
O0012000
Tank Used for:
Type of Fuel:
Container Construction Thickness:
Not reported
Not reported
UNLEADED
Not reported

Leak Detection: Stock Inventor, Groundwater Monitoring Well

Tank Num: 003 Container Num: 3

Year Installed:
Tank Capacity:
O0012000
Tank Used for:
Type of Fuel:
Container Construction Thickness:
Not reported
REGULAR
Not reported

Leak Detection: Stock Inventor, Groundwater Monitoring Well

Direction Distance

Elevation Site Database(s) EPA ID Number

TEXACO (Continued) U001577412

Tank Num: 004 Container Num: 4

Year Installed:

Tank Capacity:

Tank Used for:

Type of Fuel:

Container Construction Thickness:

Not reported

PREMIUM

Not reported

Leak Detection: Stock Inventor, Groundwater Monitoring Well

Tank Num: 005 Container Num: 5

Year Installed:
Tank Capacity:
O0010000
Tank Used for:
Type of Fuel:
Container Construction Thickness:
Not reported
Not reported
Not reported

Leak Detection: Stock Inventor, Groundwater Monitoring Well, Pressure Test

Tank Num: 006 Container Num: 1

Year Installed:
Tank Capacity:
O0010000
Tank Used for:
Type of Fuel:
Container Construction Thickness:
Leak Detection:
Not reported
Stock Inventor

Tank Num: 007 Container Num: 2

Year Installed:
Tank Capacity:
O0010000
Tank Used for:
Type of Fuel:
Container Construction Thickness:
Leak Detection:
Not reported
Stock Inventor

Tank Num: 008 Container Num: 3

Year Installed:
Tank Capacity:
O0010000
Tank Used for:
Type of Fuel:
Container Construction Thickness:
Leak Detection:
Not reported
PREMIUM
Not reported
Stock Inventor

Tank Num: 009 Container Num: 4

Year Installed:

Tank Capacity:

O0010000

Tank Used for:

Type of Fuel:

Container Construction Thickness:

Leak Detection:

Not reported

Not reported

Stock Inventor

Tank Num: 010 Container Num: 5

Year Installed: Not reported

EDR ID Number

Direction Distance

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

TEXACO (Continued) U001577412

Tank Capacity: 00010000 **PRODUCT** Tank Used for: Type of Fuel: DIESEL Container Construction Thickness: Not reported Leak Detection: Stock Inventor

011 Tank Num: Container Num: 6

Year Installed: Not reported Tank Capacity: 00012000 **PRODUCT** Tank Used for: **PREMIUM** Type of Fuel: Container Construction Thickness: Not reported Leak Detection: Stock Inventor

Tank Num: 012 Container Num:

Year Installed: Not reported Tank Capacity: 00012000 **PRODUCT** Tank Used for: Type of Fuel: DIESEL Container Construction Thickness: Not reported Leak Detection: Stock Inventor

013 Tank Num: Container Num: 8

Year Installed: Not reported Tank Capacity: 00012000 **PRODUCT** Tank Used for: **DIESEL** Type of Fuel: Container Construction Thickness: Not reported Leak Detection: Stock Inventor

Tank Num: 014 Container Num: 9

Year Installed: Not reported Tank Capacity: 00012000 Tank Used for: **PRODUCT** Type of Fuel: DIESEL Container Construction Thickness: Not reported Leak Detection: Stock Inventor

Tank Num: 015 Container Num:

Year Installed: Not reported 00010000 Tank Capacity: Tank Used for: **PRODUCT** UNLEADED Type of Fuel: Container Construction Thickness: Not reported Leak Detection: Stock Inventor

Tank Num: 016 Container Num:

Year Installed: Not reported Tank Capacity: 00010000 Tank Used for: **PRODUCT** Type of Fuel: **PREMIUM**

Direction Distance

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

TEXACO (Continued) U001577412

Container Construction Thickness: Not reported Stock Inventor Leak Detection:

Tank Num: 017 Container Num:

Year Installed: Not reported Tank Capacity: 00010000 Tank Used for: **PRODUCT** Type of Fuel: **REGULAR** Container Construction Thickness: Not reported Leak Detection: Stock Inventor

Tank Num: 018 Container Num:

Year Installed: Not reported Tank Capacity: 00010000 Tank Used for: **PRODUCT** Type of Fuel: DIESEL Container Construction Thickness: Not reported Leak Detection: Stock Inventor

45 **GLIDDEN COMPANY** North 23501 AVENIDA DE LA CARLOTA 1/8-1/4 LAGUNA HILLS, CA 92653

0.193 mi. 1020 ft.

RCRA-SQG: Relative:

Date form received by agency: 02/07/2002 Lower

GLIDDEN COMPANY Facility name:

Actual: Facility address: 23501 AVENIDA DE LA CARLOTA 329 ft.

LAGUNA HILLS, CA 92653

EPA ID: CAR000112268 Mailing address: 925 EUCLID AVE

CLEVELAND, OH 44115 Contact: RHONDA CROSS Contact address: 925 EUCLID AVE CLEVELAND, OH 44115

Contact country: US

(216) 344-8431 Contact telephone: Contact email: Not reported

EPA Region:

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

GLIDDEN CO Owner/operator name: Owner/operator address: 925 EUCLID AVE

CLEVELAND, OH 44115

Owner/operator country: Not reported Owner/operator telephone: (216) 344-8000

Legal status: Private Owner/Operator Type: Owner

RCRA-SQG

FINDS

1005415529

CAR000112268

Direction Distance

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

GLIDDEN COMPANY (Continued)

1005415529

Owner/Op start date: Not reported Not reported Owner/Op end date:

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: Nο Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

D001 Waste code:

Waste name: **IGNITABLE WASTE**

Violation Status: No violations found

FINDS:

Registry ID: 110012247791

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

EDR US Hist Auto Stat 46 1015351563 N/A

ENE 23741 CAVANAUGH RD 1/8-1/4 LAKE FOREST, CA 92630

0.202 mi. 1065 ft.

EDR Historical Auto Stations: Relative:

Name: VENTURA AUTO DETAIL Higher

Year: 2005

Actual: Address: 23741 CAVANAUGH RD

372 ft.

Name: VENTURA AUTO DETAIL

Year: 2006

23741 CAVANAUGH RD Address:

Direction Distance

Distance EDR ID Number
Database(s) EPA ID Number

47 EDR US Hist Cleaners 1015024594 SSE 23521 PASEO DE VALENCIA N/A

SSE 23521 PASEO DE VALENCIA 1/8-1/4 LAGUNA HILLS, CA 92653

0.209 mi. 1103 ft.

Relative: EDR Historical Cleaners:

Higher Name: STAR LAUNDRY

Year: 2003 **Actual:** Address: 23521 PASEO DE VALENCIA

364 ft.

ft.

H48 1 800 DRY CLEAN DRYCLEANERS \$108540479

NW 23561 RIDGE ROUTE DR STE A 1/8-1/4 LAGUNA HILLS, CA 92653

0.209 mi.

1106 ft. Site 1 of 2 in cluster H

Relative: DRYCLEANERS:

Lower EPA Id: CAL000327504

NAICS Code: 81232

Actual: NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)

310 ft. SIC Code: 7211

SIC Description: Power Laundries, Family and Commercial

Create Date: 12/04/2007
Facility Active: No
Inactive Date: 06/30/2009
Facility Addr2: Not reported

Owner Name: DHORI INVESTMENT LLC
Owner Address: 22500 MUIRLANDS BLVD #2A

Owner Address 2: Not reported
Owner Telephone: 9493054091
Contact Name: PARESH PATEL

Contact Address: 22500 MUIRLANDS BLVD #2A

Contact Address 2: Not reported Contact Telephone: 9493054091 Mailing Name: Not reported

Mailing Address 1: 22500 MUIRLANDS BLVD #2A

Mailing Address 2: Not reported
Mailing City: LAKE FOREST

Mailing State: CA

Mailing Zip: 926300000
Owner Fax: Not reported
Region Code: Not reported

EPA ld: CAL000293225

NAICS Code: 81232

NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)

SIC Code: 7211

SIC Description: Power Laundries, Family and Commercial

Create Date: 04/14/2005
Facility Active: No
Inactive Date: 06/30/2007
Facility Addr2: Not reported
Owner Name: ALAN CAMPBELL
Owner Address: 23561 RIDGE RTE STE A

Owner Address 2: Not reported Owner Telephone: 9493054091

Contact Name: ALAN CAMPBELL / OWNER Contact Address: 23561 RIDGE RTE STE A

Contact Address 2: Not reported

N/A

Direction Distance

Elevation Site Database(s) **EPA ID Number**

1 800 DRY CLEAN (Continued)

Contact Telephone: 9493054091 Mailing Name: Not reported Mailing Address 1: PO BOX 4436 Mailing Address 2: Not reported Mailing City: MISSION VIEJO

Mailing State: CA Mailing Zip: 92690 Owner Fax: Not reported Region Code: Not reported

CUSTOM COLOR PHOTO LAB RCRA-SQG H49 1000415907 NW 23561 RIDGE ROUTE STE E **FINDS** CAD981627623

1/8-1/4 0.209 mi.

1106 ft. Site 2 of 2 in cluster H

RCRA-SQG: Relative:

Date form received by agency: 09/01/1996 Lower

LAGUNA HILLS, CA 92653

Contact country:

Facility name: **CUSTOM COLOR PHOTO LAB**

Actual: Facility address: 23561 RIDGE ROUTE STE E 310 ft. LAGUNA HILLS, CA 92653

CAD981627623

EPA ID: RIDGE ROUTE STE E Mailing address:

LAGUNA HILLS, CA 92653

Contact: Not reported Contact address: Not reported Not reported

US

Contact telephone: Not reported Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Handler: generates more than 100 and less than 1000 kg of hazardous Description:

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

THACKER BRUCE OWNER Owner/operator name:

Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported (415) 555-1212 Owner/operator telephone: Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported

Owner/Op end date: Not reported Owner/operator name: NOT REQUIRED

NOT REQUIRED Owner/operator address: NOT REQUIRED, ME 99999

Owner/operator country: Not reported Owner/operator telephone: (415) 555-1212 Legal status: Private Owner/Operator Type: Operator Owner/Op start date: Not reported

EDR ID Number

S108540479

Direction Distance

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

Not reported

CUSTOM COLOR PHOTO LAB (Continued)

1000415907

Handler Activities Summary:

Owner/Op end date:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: Nο Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002729977

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

G50 ARCO #3079/CAROLOTA PLAZA HIST CORTESE S103249093

ESE 24012 LAGUNA HILLS, CA 92653 1/8-1/4

0.224 mi.

Site 7 of 9 in cluster G 1184 ft.

HIST CORTESE: Relative: Higher Region:

CORTESE Facility County Code: 30 Actual: **LTNKA** Reg By: 375 ft. 083002934T Reg Id:

G51 LUST S104406498 **FORMER ARCO FACILITY NO. 3079 ESE** 24012 AVENIDA DE LA CARLOTA N/A

1/8-1/4 LAGUNA HILLS, CA 92653

0.224 mi.

1184 ft. Site 8 of 9 in cluster G

LUST REG 9: Relative:

Region: Higher

Status: Preliminary site assessment underway

Actual: 9UT4011 Case Number: 375 ft.

N/A

Direction Distance

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

FORMER ARCO FACILITY NO. 3079 (Continued)

S104406498

Local Case: 083002934 Substance: Gasoline Qty Leaked: Not reported Not reported Abate Method: Local Agency: Orange Tank Closure How Found: How Stopped: Close Tank Source: Unknown Unknown Cause: Lead Agency: Regional Board Case Type: Aquifer affected 01/01/1983 Date Found: 01/01/1983 Date Stopped: Confirm Date:

Submit Workplan: 2/23/00 Prelim Assess: 01/09/2001 Desc Pollution: Not reported

Remed Plan:

Remed Action: Not reported Began Monitor: Not reported Release Date: 01/01/1983 Enforce Date: Not reported Closed Date: Not reported Enforce Type: Not reported Pilot Program: UST Basin Number: 901.13 GW Depth: 12.74 Beneficial Use: **MUNBU** NPDES Number: Not reported High priority Priority: File Dispn: Not reported

Interim Remedial Actions: Not reported Cleanup and Abatement order Number: Not reported Waste Discharge Requirement Number: Not reported

G52 ARCO #3079

24012 AVENIDA DE LA CARLOTA 1/8-1/4 LAGUNA HILLS, CA 92653

0.224 mi.

ESE

1184 ft. Site 9 of 9 in cluster G

Relative: Higher

Actual:

375 ft.

LUST: Region:

STATE Global Id: T0605902581 33.6138576006582 Latitude: Longitude: -117.708127051592 Case Type: Not reported

Completed - Case Closed Status:

Status Date: 01/16/2004 Lead Agency: Not reported Case Worker: Not reported Not reported Local Agency: 9UT4011 RB Case Number: LOC Case Number: Not reported File Location: Not reported

Potential Media Affect: Aquifer used for drinking water supply

Potential Contaminants of Concern: Gasoline Site History: Not reported LUST

HIST CORTESE

S102445762

N/A

Direction Distance

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

ARCO #3079 (Continued) S102445762

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id: T0605902581

Status: Completed - Case Closed

01/16/2004 Status Date:

Global Id: T0605902581

Status: Open - Case Begin Date

Status Date: 01/01/1983

T0605902581 Global Id:

Status: Open - Site Assessment

10/06/2000 Status Date:

T0605902581 Global Id:

Open - Site Assessment Status:

Status Date: 01/09/2001

Regulatory Activities:

Global Id: T0605902581 Action Type: Other Date: 01/01/1983 Action: Leak Reported

Global Id: T0605902581 Action Type: **ENFORCEMENT** Date: 09/10/2003

Action: * Verbal Communication

Global Id: T0605902581 Action Type: **ENFORCEMENT** Date: 09/11/2003

* Verbal Communication Action:

Global Id: T0605902581 Action Type: Other 01/01/1983 Date: Action: Leak Discovery

Global Id: T0605902581 Action Type: Other 01/01/1983 Date: Action: Leak Stopped

Global Id: T0605902581 Action Type: **ENFORCEMENT** Date: 09/08/2003

Action: Notification - Preclosure

Global Id: T0605902581 **ENFORCEMENT** Action Type: Date: 01/16/2004

Action: Closure/No Further Action Letter

Direction Distance

Elevation Site Database(s) EPA ID Number

ARCO #3079 (Continued) \$102445762

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT4011

I53 SADDLEBACK VALLEY COLLISION RCRA-SQG 1000190045 NNW 23502-A COMMERCE CENTER CAD118390871

NNW 23502-A COMMERCE CENTER 1/8-1/4 LAGUNA HILLS, CA 92653

0.235 mi.

1239 ft. Site 1 of 14 in cluster I

Relative: RCRA-SQG:
Lower Date form received by agency: 09/01/1996

Facility name: SADDLEBACK VALLEY COLLISION

Actual: Facility address: 23502-A COMMERCE CENTER
322 ft. LAGUNA HILLS, CA 92653

EPA ID: CAD118390871
Mailing address: COMMERCE CENTER

LAGUNA HILLS, CA 92653

Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US

Contact telephone: Not reported Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RIC WRIGHT Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

EDR ID Number

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

SADDLEBACK VALLEY COLLISION (Continued)

1000190045

1000256331

CAD981449713

RCRA-SQG

FINDS

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: Nο Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

I54 LEW WEBB'S IRVINE NISSAN LEW NNW 23522 COMMERCE CENTER DRIVE 1/8-1/4 LAGUNA HILLS, CA 92653

1/8-1/4 LAGUNA HILLS, CA 0.235 mi.

1243 ft. Site 2 of 14 in cluster I

Relative: RCRA-SQG:

Actual:

Lower Date form received by agency: 09/22/1998

Facility name: LEW WEBBS IRVINE AUTOBODY
Facility address: 23522 COMMERCE CENTER DR

323 ft. LAGUNA HILLS, CA 92653

EPA ID: CAD981449713

Mailing address: 23532 COMMERCE CENTER DR

LAGUNA HILLS, CA 92653

Contact: DENNIS BARRETT

Contact address: 23522 COMMERCE CENTER DR

LAGUNA HILLS, CA 92653

Contact country: US

Contact telephone: (949) 586-0400 Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LEW WEBBS IRVINE NISSAN

Owner/operator address: 44 AUTO CENTER DR IRVINE, CA 92718

Owner/operator country: Not reported
Owner/operator telephone: (949) 454-2008
Legal status: Private
Owner/Operator Type: Owner

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

LEW WEBB'S IRVINE NISSAN LEW (Continued)

NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country:
Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:
Not reported
Not reported

Handler Activities Summary:

Owner/operator address:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): Nο Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

. Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110009536993

Environmental Interest/Information System

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CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

1000256331

Direction Distance

Elevation Site Database(s) **EPA ID Number**

155 **EDR US Hist Auto Stat** 1015350252 23522 COMMERCE CENTER DR N/A

NNW 1/8-1/4 LAGUNA HILLS, CA 92653

Address:

0.235 mi.

1243 ft. Site 3 of 14 in cluster I

Relative:

EDR Historical Auto Stations:

Lower

Name: IRVINE AUTO BODY LEW WEBBS

Year: 1999

Actual: 323 ft.

23522 COMMERCE CENTER DR

Name: LEW WEBBS IRVINE AUTO BODY

2001 Year: Address: 23522 COMMERCE CENTER DR

Name: LEW WEBBS IRVINE AUTO BODY

Year:

Address: 23522 COMMERCE CENTER DR

LEW WEBBS IRVINE AUTO BODY Name:

Year: 2003

23522 COMMERCE CENTER DR Address:

Name: LEW WEBBS IRVINE AUTO BODY

Year:

Address: 23522 COMMERCE CENTER DR

LEW WEBBS IRVINE AUTO BODY Name:

Year: 2006

Address: 23522 COMMERCE CENTER DR

LEW WEBBS IRVINE AUTO BODY Name:

Year: 2007

Address: 23522 COMMERCE CENTER DR

Name: LEW WEBBS IRVINE AUTO BODY

Year: 2008

23522 COMMERCE CENTER DR Address:

Name: POWER COLLISION CENTER

Year: 2009

Address: 23522 COMMERCE CENTER DR

POWER COLLISION CTR Name:

Year: 2010

Address: 23522 COMMERCE CENTER DR

Name: POWER COLLISION CENTER

Year: 2011

Address: 23522 COMMERCE CENTER DR **EDR ID Number**

Direction Distance

Elevation Site Database(s) EPA ID Number

 I56
 EDR US Hist Auto Stat
 1015350210

 NNW
 23512 COMMERCE CENTER DR
 N/A

NNW 23512 COMMERCE CENTER DR 1/8-1/4 LAGUNA HILLS, CA 92653

0.236 mi.

1244 ft. Site 4 of 14 in cluster I

Relative: EDR Historical Auto Stations:

Lower Name: LEISURE WORLD AUTO REPAIR

Year: 1999

Actual: Address: 23512 COMMERCE CENTER DR 323 ft.

Name: HNT AUTO CARE INC

Year: 2002

Address: 23512 COMMERCE CENTER DR

Name: H & T AUTO CARE INC

Year: 2003

Address: 23512 COMMERCE CENTER DR

Name: LAGUNA WOODS AUTO REPAIR INC

Year: 2005

Address: 23512 COMMERCE CENTER DR

Name: LAGUNA WOODS AUTO REPAIR INC

Year: 2006

Address: 23512 COMMERCE CENTER DR

Name: LAGUNA WOODS AUTO REPAIR INC

Year: 2007

Address: 23512 COMMERCE CENTER DR

Name: LEISURE WORLD AUTO REPAIR INC

Year: 2009

Address: 23512 COMMERCE CENTER DR

Name: LEISURE WORLD AUTO REPAIR

Year: 2010

Address: 23512 COMMERCE CENTER DR

Name: LEISURE WORLD AUTO REPAIR INC

Year: 2011

Address: 23512 COMMERCE CENTER DR

157 EDR US Hist Auto Stat 1015350141

NNW 23502 COMMERCE CENTER DR 1/8-1/4 LAGUNA HILLS, CA 92653

0.236 mi.

1245 ft. Site 5 of 14 in cluster I

Relative: EDR Historical Auto Stations:

Lower Name: TNK AUTOMOTIVE

Year: 1999

Actual: Address: 23502 COMMERCE CENTER DR

322 ft.

Name: MOTOR CARS

Year: 2001

Address: 23502 COMMERCE CENTER DR

Name: TNK AUTOMOTIVE

Year: 2002

TC4394915.2s Page 116

N/A

EDR ID Number

Direction Distance

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

(Continued) 1015350141

Address: 23502 COMMERCE CENTER DR

TNK AUTOMOTIVE Name:

Year: 2003

Address: 23502 COMMERCE CENTER DR

TNK AUTOMOTIVE Name:

Year: 2004

23502 COMMERCE CENTER DR Address:

TNK AUTOMOTIVE Name:

Year: 2005

23502 COMMERCE CENTER DR Address:

Name: TNK AUTOMOTIVE

Year: 2006

23502 COMMERCE CENTER DR Address:

Name: TNK AUTOMOTIVE

Year: 2007

Address: 23502 COMMERCE CENTER DR

TNK AUTOMOTIVE Name:

Year: 2008

Address: 23502 COMMERCE CENTER DR

Name: TNK AUTOMOTIVE

Year: 2009

23502 COMMERCE CENTER DR Address:

MOTOR CARS Name:

Year: 2010

Address: 23502 COMMERCE CENTER DR

158 **CORVETTE TECHNOLOGY INC** NNW 23551 COMMERCE CENTER DR STE I

1/8-1/4 LAGUNA HILLS, CA 92653

0.237 mi.

Actual:

Site 6 of 14 in cluster I 1251 ft.

RCRA-SQG: Relative:

Date form received by agency: 01/23/1996 Lower

CORVETTE TECHNOLOGY INC Facility name: Facility address: 23551 COMMERCE CENTER DR STE I

323 ft. LAGUNA HILLS, CA 92653

EPA ID: CAR000008987

COMMERCE CENTER DR STE I Mailing address: LAGUNA HILLS, CA 92653

Contact: **BRIAN GERACI**

Contact address: 23551 COMMERCE CENTER DR STE I

LAGUNA HILLS, CA 92653

Contact country: US

Contact telephone: (714) 951-9830 Contact email: Not reported

EPA Region:

Classification: Small Small Quantity Generator

Handler: generates more than 100 and less than 1000 kg of hazardous Description:

waste during any calendar month and accumulates less than 6000 kg of

RCRA-SQG

FINDS

1001085575

CAR000008987

Direction Distance

Elevation Site Database(s) EPA ID Number

CORVETTE TECHNOLOGY INC (Continued)

1001085575

EDR ID Number

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JOHN BAKER

Owner/operator address: 23551 COMMERCE CENTER DR

LAGUNA HILLS, CA 92653

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

Not reported

Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: Nο User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110009552402

Environmental Interest/Information System

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corrective action activities required under RCRA.

IS9 IMPORT MASTERS AUTO PAINTING
NNW 23551 COMMERCE CENTER DR #E
1/8-1/4 LAGUNA HILLS, CA 92653

0.237 mi.

1251 ft. Site 7 of 14 in cluster I

Relative: RCRA-SQG:

Lower Date form received by agency: 09/01/1996

Facility name: IMPORT MASTERS AUTO PAINTING Facility address: 23551 COMMERCE CENTER DR #E

Actual: 323 ft.

1000341946

CAD076698497

RCRA-SQG

FINDS

Direction Distance

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

IMPORT MASTERS AUTO PAINTING (Continued)

1000341946

LAGUNA HILLS, CA 92653

EPA ID: CAD076698497

COMMERCE CENTER DR #E Mailing address:

LAGUNA HILLS, CA 92653

Contact: Not reported Contact address: Not reported

Not reported

Contact country: US

Contact telephone: Not reported Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

> waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/Op end date:

ROBERT FERRELL & NORBERT ADAM Owner/operator name:

Not reported

Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported Owner/operator telephone: (415) 555-1212 Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported

NOT REQUIRED Owner/operator name: Owner/operator address: **NOT REQUIRED**

NOT REQUIRED, ME 99999

Owner/operator country: Not reported Owner/operator telephone: (415) 555-1212 Legal status: Private Owner/Operator Type: Operator Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Direction Distance

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

IMPORT MASTERS AUTO PAINTING (Continued)

1000341946

HAZNET

Violation Status: No violations found

FINDS:

Registry ID: 110002658767

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

160 **WATKINS AUTOMOTIVE** RCRA-SQG 1000595367 NNW 23551 COMMERCE CTR DR UNIT H **FINDS** CAD983593039

1/8-1/4 0.237 mi.

1251 ft. Site 8 of 14 in cluster I

RCRA-SQG: Relative:

Date form received by agency: 07/18/1991 Lower

LAGUNA HILLS, CA 92653

Facility name: WATKINS AUTOMOTIVE

Actual: Facility address: 23551 COMMERCE CTR DR UNIT H 323 ft. LAGUNA HILLS, CA 92653

EPA ID: CAD983593039

> Mailing address: COMMERCE CTR DR UNIT H

> > LAGUNA HILLS, CA 92653

Contact: OR KENNY

Contact address: 23551 COMMERCE CTR DR UNIT H

LAGUNA HILLS, CA 92653

Contact country:

Contact telephone: (714) 855-2050 Contact email: Not reported

EPA Region:

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

KENNETH & KEITH WATKINS Owner/operator name:

Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported Owner/operator telephone: (415) 555-1212 Legal status: Private

Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

WATKINS AUTOMOTIVE (Continued)

1000595367

Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: Nο Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110009548329

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

HAZNET:

envid: 1000595367 Year: 1997

GEPAID: CAD983593039

Contact: KEITH WATKINS/JOHN REED JR

Telephone: 7148308515
Mailing Name: Not reported
Mailing Address: 24132 LANDISVIEW
Mailing City,St,Zip: EL TORO, CA 926301513

Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported

Waste Category: Aqueous solution with total organic residues 10 percent or more

Disposal Method: Recycler Tons: .4378 Facility County: Orange

envid: 1000595367 Year: 1996

Direction Distance

Elevation Site Database(s) EPA ID Number

WATKINS AUTOMOTIVE (Continued)

GEPAID: CAD983593039

Contact: KEITH WATKINS/JOHN REED JR

Telephone: 7148308515
Mailing Name: Not reported
Mailing Address: 24132 LANDISVIEW
Mailing City,St,Zip: EL TORO, CA 926301513

Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported

Waste Category: Aqueous solution with total organic residues 10 percent or more

Disposal Method: Recycler
Tons: .6879
Facility County: Orange

envid: 1000595367 Year: 1995

GEPAID: CAD983593039

Contact: KEITH WATKINS/JOHN REED JR

Telephone: 7148308515
Mailing Name: Not reported
Mailing Address: 24132 LANDISVIEW
Mailing City,St,Zip: EL TORO, CA 926301513

Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported

Waste Category: Aqueous solution with total organic residues 10 percent or more

Disposal Method: Recycler Tons: .4586 Facility County: Orange

envid: 1000595367 Year: 1995

GEPAID: CAD983593039

Contact: KEITH WATKINS/JOHN REED JR

Telephone: 7148308515
Mailing Name: Not reported
Mailing Address: 24132 LANDISVIEW
Mailing City,St,Zip: EL TORO, CA 926301513

Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported

Waste Category: Unspecified solvent mixture

Disposal Method: Transfer Station

Tons: .0498 Facility County: Orange

envid: 1000595367 Year: 1995

GEPAID: CAD983593039

Contact: KEITH WATKINS/JOHN REED JR

Telephone: 7148308515
Mailing Name: Not reported
Mailing Address: 24132 LANDISVIEW
Mailing City, St, Zip: EL TORO, CA 926301513

Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported

EDR ID Number

1000595367

Direction Distance

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

WATKINS AUTOMOTIVE (Continued)

1000595367

N/A

Waste Category: Unspecified aqueous solution

Disposal Method: Recycler Tons: .4586 Facility County: Orange

> Click this hyperlink while viewing on your computer to access 1 additional CA_HAZNET: record(s) in the EDR Site Report.

161 **EDR US Hist Auto Stat** 1015350405

NNW 23551 COMMERCE CENTER DR 1/8-1/4 LAGUNA HILLS, CA 92653

0.237 mi.

1251 ft. Site 9 of 14 in cluster I

EDR Historical Auto Stations: Relative:

Name: B JS AUTOMOTIVE REPAIR INCORPORATED Lower

Year:

Actual: Address: 23551 COMMERCE CENTER DR 323 ft.

CALIFORNIA AUTOMOTIVE Name:

> Year: 2001

Address: 23551 COMMERCE CENTER DR

SIMONS AUTO BODY & FRAME Name:

Year. 2002

Address: 23551 COMMERCE CENTER DR

Name: BJS AUTOMOTIVE REPAIR

2003 Year:

Address: 23551 COMMERCE CENTER DR

Name: SMOG SERVICE STATION

Year: 2004

23551 COMMERCE CENTER DR Address:

DAYTONA AUTO CARE Name:

Year: 2005

23551 COMMERCE CENTER DR Address:

BJS AUTOMOTIVE Name:

Year: 2006

Address: 23551 COMMERCE CENTER DR

BJS AUTOMOTIVE Name:

Year: 2007

Address: 23551 COMMERCE CENTER DR

AUTOMOTRIZ ESQUIVEL Name:

Year: 2008

Address: 23551 COMMERCE CENTER DR

Name: **GM AUTO REPAIR**

Year: 2009

Address: 23551 COMMERCE CENTER DR

AUTO MOTRIZ ESQUIVEL Name:

Year: 2010

Address: 23551 COMMERCE CENTER DR

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

(Continued) 1015350405

Name: SOUTHLAND AUTO CARE

Year: 2011

Address: 23551 COMMERCE CENTER DR

Name: SIMONS AUTOBODY & FRAME INC

Year: 2012

Address: 23551 COMMERCE CENTER DR

I62 EDR US Hist Auto Stat 1015350211

NNW 23513 COMMERCE CENTER DR 1/8-1/4 LAGUNA HILLS, CA 92653

0.237 mi.

1254 ft. Site 10 of 14 in cluster I

Relative: EDR Historical Auto Stations:

Lower Name: HNT AUTO CARE INC

Year: 2003

Actual: Address: 23513 COMMERCE CENTER DR

322 ft.

I63 VIKING INDEPENDENT INC RCRA NonGen / NLR 1000985088

NNW 23501 COMMERCE CENTER DR STE A FINDS CAR000001990

1/8-1/4 LAGUNA HILLS, CA 92653

0.238 mi.

1256 ft. Site 11 of 14 in cluster I

Relative: RCRA NonGen / NLR:

Lower Date form received by agency: 04/10/1995
Facility name: VIKING INDEPENDENT INC

Actual: Facility address: 23501 COMMERCE CENTER DR STE A

322 ft.

LAGUNA HILLS, CA 92653

EPA ID: CAR000001990

Mailing address: COMMERCE CENTER DR STE A

LAGUNA HILLS, CA 92653

Contact: PAUL HATTRUP

Contact address: 23501 COMMERCE CENTER DR STE A

LAGUNA HILLS, CA 92653

Contact country: US

Contact telephone: (714) 951-1525 Contact email: Not reported

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BEBGT JOHANSSON

Owner/operator address: 23501 COMMERCE CENTER DR STE A

LAGUNA HILLS, CA 92653

Owner/operator country: Not reported Owner/operator telephone: (714) 951-1525

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

N/A

Direction Distance

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

VIKING INDEPENDENT INC (Continued)

1000985088

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: Nο Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110009551804

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

164 VIKING INDEPENDENT INC NNW 23501 COMMERCE CENTER DR STE A

1/8-1/4 LAGUNA HILLS, CA 92653

0.238 mi.

1256 ft. Site 12 of 14 in cluster I

RCRA NonGen / NLR: Relative:

Date form received by agency: 08/24/1995 Lower

Facility name: VIKING INDEPENDENT INC 23501 COMMERCE CENTER DR STE A

Actual: Facility address: 322 ft.

LAGUNA HILLS, CA 92653 EPA ID: CAR000001941

> COMMERCE CENTER DR STE A Mailing address:

LAGUNA HILLS, CA 92653

Contact: TOM HALL

23501 COMMERCE CENTER DR STE A Contact address:

LAGUNA HILLS, CA 92653

Contact country: US

Contact telephone: (714) 951-1525 Contact email: Not reported

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: **BEBGT JOHANSSON**

Owner/operator address: 23501 COMMERCE CENTER DR STE A RCRA NonGen / NLR 1000985084

CAR000001941

Direction Distance

Elevation Site Database(s) EPA ID Number

VIKING INDEPENDENT INC (Continued)

1000985084

EDR ID Number

LAGUNA HILLS, CA 92653

Owner/operator country: Not reported
Owner/operator telephone: (714) 951-1525
Legal status: Private
Owner/Operator Type: Owner

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

 I65
 EDR US Hist Auto Stat
 1015350137

 NNW
 23501 COMMERCE CENTER DR
 N/A

NNW 23501 COMMERCE CENTER DR 1/8-1/4 LAGUNA HILLS, CA 92653

0.238 mi.

1256 ft. Site 13 of 14 in cluster I

Relative: EDR Historical Auto Stations:
Lower Name: LAGUNA AUTO COLLISION INCORPORATED

Lower Name: LAGU Year: 1999

Actual: Address: 23501 COMMERCE CENTER DR 322 ft.

Name: LAGUNA AUTO COLLISION

Year: 2001

Address: 23501 COMMERCE CENTER DR

Name: LAGUNA AUTO COLLISION

Year: 2002

Address: 23501 COMMERCE CENTER DR

Name: LAGUNA AUTO COLLISION

Year: 2003

Address: 23501 COMMERCE CENTER DR

Name: LAGUNA AUTO COLLISION

Year: 2004

Address: 23501 COMMERCE CENTER DR

Name: LAGUNA AUTO COLLISION

Year: 2005

Address: 23501 COMMERCE CENTER DR

Direction Distance

Elevation Site Database(s) EPA ID Number

(Continued) 1015350137

Name: VIKING AUTOMOTIVE

Year: 2006

Address: 23501 COMMERCE CENTER DR

Name: LAGUNA AUTO COLLISION

Year: 2008

Address: 23501 COMMERCE CENTER DR

Name: LAGUNA AUTO COLLISION

Year: 2009

Address: 23501 COMMERCE CENTER DR

Name: VIKING AUTOMOTIVE

Year: 2010

Address: 23501 COMMERCE CENTER DR

Name: LAGUNA WOODS AUTO BODY INC

Year: 2011

Address: 23501 COMMERCE CENTER DR

Name: LAGUNA WOODS AUTO BODY INC

Year: 2012

Address: 23501 COMMERCE CENTER DR

166 SADDLEBACK COLLISION & GLASS RCRA-SQG 1000190049
NNW 23501 COMMERCE CENTER STE B FINDS CAD981991201

1/8-1/4 0.238 mi.

1256 ft. Site 14 of 14 in cluster I

Relative: RCRA-SQG:

Lower Date form received by agency: 03/09/1987

LAGUNA HILLS, CA 92653

Facility name: SADDLEBACK COLLISION & GLASS
Actual: SADDLEBACK COLLISION & GLASS
23501 COMMERCE CENTER STE B

322 ft. LAGUNA HILLS, CA 92653

EPA ID: CAD981991201

Mailing address: COMMERCE CENTER STE B
LAGUNA HILLS, CA 92653

Contact: ENVIRONMENTAL MANAGER
Contact address: 23501 COMMERCE CENTER STE B

LAGUNA HILLS, CA 92653

Contact country: US

Contact telephone: (714) 581-0561 Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: SADDLEBACK COLLISION & GLASS

Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported

EDR ID Number

Distance Elevation Site

Database(s)

1000190049

EDR ID Number

EPA ID Number

SADDLEBACK COLLISION & GLASS (Continued)

Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

Not reported

Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: Nο Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002768835

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Direction Distance

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

J67 A100336894 N/A

ESE 24300 LAGUNA HILLS 1/8-1/4 LAGUNA HILLS, CA 92653

0.247 mi.

1303 ft. Site 1 of 9 in cluster J

Relative:

Certified Unified Program Agencies: Orange Lower

SEARS #1548/6788/8278 Owner:

Actual: Total Gallons: 1,320 360 ft.

J68 SEARS #6788/1548 RCRA-LQG 1000369398 24300 LAGUNA HILLS MALL **ESE HIST UST** CAD126622760

1/8-1/4 LAGUNA HILLS, CA 92653

0.247 mi.

1303 ft. Site 2 of 9 in cluster J

RCRA-LQG: Relative:

Date form received by agency: 04/30/2010 Lower

Facility name: SEARS #6788/1548

Actual: Facility address: 24300 LAGUNA HILLS MALL 360 ft.

LAGUNA HILLS, CA 92653

EPA ID: CAD126622760

Mailing address: **BEVERLY ROAD**

B5-362A

HOFFMAN ESTATES, IL 60179

Contact: MICHAEL OLSEN Contact address: **BEVERLY ROAD B5-362A**

HOFFMAN ESTATES, IL 60179

Contact country: US

(847) 286-7222 Contact telephone:

Contact email: MICHAEL.OLSEN@SEARSHC.COM

EPA Region: 09 Land type: Private

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any

calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

100 kg of that material at any time

Owner/Operator Summary:

SEARS Owner/operator name: Owner/operator address: Not reported Not reported

Owner/operator country: Not reported Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 04/11/1973 Owner/Op end date: Not reported

Distance

Elevation Site Database(s) EPA ID Number

SEARS #6788/1548 (Continued)

1000369398

EDR ID Number

Owner/operator name: SEARS

Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

Not reported

Not reported

Owner/operator name: KMART CORPORATION
Owner/operator address: BEVERLY ROAD B5-362A
HOFFMAN ESTATES, IL 60179

Owner/operator country: Not reported Owner/operator telephone: (847) 286-7222

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/11/1973
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: Nο Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

Map ID MAP FINDINGS Direction

Distance

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

SEARS #6788/1548 (Continued)

1000369398

Waste name: **CORROSIVE WASTE**

D008 Waste code: LEAD Waste name:

Waste code: D018 Waste name: **BENZENE**

Waste code: D035

Waste name: METHYL ETHYL KETONE

Waste code: D039

Waste name: **TETRACHLOROETHYLENE**

Waste code:

THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: Waste name:

> TETRACHLOROETHYLENE. TRICHLORETHYLENE. METHYLENE CHLORIDE. 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED

FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED

IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: P051

2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, Waste name:

3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,

2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES

(OR) ENDRIN (OR) ENDRIN, & METABOLITES

Waste code: P123

Waste name: **TOXAPHENE**

Waste code: U002

2-PROPANONE (I) (OR) ACETONE (I) Waste name:

U036 Waste code:

Waste name: 4,7-METHANO-1H-INDENE,

1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE,

ALPHA & GAMMA ISOMERS

Waste code:

Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Historical Generators:

Date form received by agency: 09/01/1996

Site name: SEARS- LAGUNA HILLS Classification: Small Quantity Generator

Date form received by agency: 02/29/1996

Site name: SEARS UNIT # 1548 AND 8278 Classification: Large Quantity Generator

Date form received by agency: 10/09/1985

Site name: SEARS-LAGUNA HILLS Classification: Large Quantity Generator

Direction Distance

Elevation Site Database(s) EPA ID Number

SEARS #6788/1548 (Continued)

1000369398

EDR ID Number

Facility Has Received Notices of Violations:

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General

Date violation determined: 03/30/1992
Date achieved compliance: 03/16/1994
Violation lead agency: State
Enforcement action: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Enforcement lead agency:
Proposed penalty amount:
Paid penalty amount:
Not reported

Evaluation Action Summary:

Evaluation date: 03/16/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: State Contractor/Grantee

Evaluation date: 03/30/1992

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 03/16/1994

Evaluation lead agency: State Contractor/Grantee

HIST UST:

Region: STATE
Facility ID: 00000021555
Facility Type: Other

Other Type: RETAIL SALES
Contact Name: JOHN REESE
Telephone: 7145861100

Owner Name: SEARS, ROEBUCK & CO.
Owner Address: 24300 LAUGNA HILLS MALL
Owner City, St, Zip: LAGUNA HILLS, CA 92653

Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1973
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Direction Distance

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

J69 EDR US Hist Auto Stat 1015357540 N/A

ESE 24300 LAGUNA HILLS MALL 1/8-1/4 LAGUNA HILLS, CA 92653

0.247 mi.

1303 ft. Site 3 of 9 in cluster J

EDR Historical Auto Stations: Relative:

SEARS AUTO CTR Lower Name:

Year: 2010

Actual: Address: 24300 LAGUNA HILLS MALL 360 ft.

Name: **SEARS AUTO CENTER**

> Year: 2011

Address: 24300 LAGUNA HILLS MALL

J70 **TIME O MAX 1 HOUR PHOTO** RCRA-SQG 1000199764 SE 24199 LAGUNA HILLS MALL **FINDS** CAD981453343

1/8-1/4 0.247 mi.

Site 4 of 9 in cluster J 1305 ft.

RCRA-SQG: Relative:

Date form received by agency: 03/18/1986 Lower

LAGUNA HILLS, CA 92653

Facility name: TIME-O-MAX 1 HR PHOTO Facility address: 24199 LAGUNA HILLS MALL

Actual: 360 ft. LAGUNA HILLS, CA 92653

EPA ID: CAD981453343

Mailing address: LAGUNA HILLS MALL LAGUNA HILLS, CA 92653 Contact: ENVIRONMENTAL MANAGER

Contact address: 24199 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653

Contact country: US

Contact telephone: (714) 380-9732 Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: PHILLIP SHIN Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported Owner/operator telephone: (415) 555-1212 Legal status: Private Owner/Operator Type: Owner

Owner/Op start date: Not reported Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported Owner/operator telephone: (415) 555-1212

Direction Distance

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

TIME O MAX 1 HOUR PHOTO (Continued)

1000199764

Legal status: Private Owner/Operator Type: Operator Owner/Op start date: Not reported Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: Nο On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110009542888

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

J71 **TIME O MAX 1 HOUR PHOTO** SE 24199 LAGUNA HILLS MALL 1/8-1/4 LAGUNA HILLS, CA 92653 0.247 mi.

1305 ft. Site 5 of 9 in cluster J

RCRA-SQG: Relative:

Actual:

Date form received by agency: 09/18/1987 Lower

Facility name: TIME O MAX 1 HOUR PHOTO Facility address: 24199 LAGUNA HILLS MALL

360 ft. LAGUNA HILLS, CA 92653

> EPA ID: CAD982035255 Mailing address: LAGUNA HILLS MALL

LAGUNA HILLS, CA 92653

Contact: ENVIRONMENTAL MANAGER 24199 LAGUNA HILLS MALL Contact address: LAGUNA HILLS, CA 92653

Contact country:

Contact telephone: (714) 380-9732 Contact email: Not reported

EPA Region: 09 1000197785

CAD982035255

RCRA-SQG

Direction Distance

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

TIME O MAX 1 HOUR PHOTO (Continued)

1000197785

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: PHILLIP SHIN Owner/operator address: **NOT REQUIRED**

NOT REQUIRED, ME 99999

Owner/operator country: Not reported Owner/operator telephone: (415) 555-1212 Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED NOT REQUIRED Owner/operator address:

NOT REQUIRED, ME 99999

Owner/operator country: Not reported Owner/operator telephone: (415) 555-1212 Legal status: Private Owner/Operator Type: Operator Owner/Op start date: Not reported Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

K72 **EL TORO CHEVRON** UST U004200590 N/A

23891 BRIDGER RD **East** 1/8-1/4 LAKE FOREST, CA 92630 0.248 mi.

1311 ft. Site 1 of 5 in cluster K

ORANGE CO. UST: Facility ID: FA0024983 Higher

Actual: 377 ft.

Relative:

Direction Distance

Elevation Site Database(s) EPA ID Number

K73 EDR US Hist Auto Stat 1015352250
East 23891 BRIDGER RD N/A

East 23891 BRIDGER RD 1/8-1/4 LAKE FOREST, CA 92630

0.248 mi.

1311 ft. Site 2 of 5 in cluster K

Relative: EDR Historical Auto Stations:

Higher Name: LAGUNA HILLS CHEVRON Year: 1999

Actual: Address: 23891 BRIDGER RD

377 ft.

Name: EL TORO AUTO CTR

Year: 2001

Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON SERVICE

Year: 2002

Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON SUBWAY

Year: 2003

Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON SUBWAY

Year: 2005

Address: 23891 BRIDGER RD

Name: CHEVRON SUBWAY LLC

Year: 2006

Address: 23891 BRIDGER RD

Name: CHEVRON SUBWAY LLC

Year: 2007

Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON

Year: 2008

Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON SUBWAY

Year: 2009

Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON

Year: 2010

Address: 23891 BRIDGER RD

Name: EL TORO CHEVRON SUBWAY

Year: 2012

Address: 23891 BRIDGER RD

EDR ID Number

Direction Distance

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

K74 **CHEVRON INC (9-0141)** UST U003432878 **East**

23891 BRIDGER RD N/A

1/8-1/4 LAKE FOREST, CA 92630

0.249 mi.

1315 ft. Site 3 of 5 in cluster K

UST: Relative:

Facility ID: 2094 Higher

ORANGE COUNTY Permitting Agency: Actual: Latitude: 33.6168862 377 ft. Longitude: -117.7063245

K75 **CHEVRON SERVICE STATION #9-0141** S103644904 LUST

East 23891 BRIDGER SWEEPS UST N/A **HIST CORTESE**

1/8-1/4 LAKE FOREST, CA 92630

0.249 mi.

1315 ft. Site 4 of 5 in cluster K

LUST: Relative:

Region: STATE Higher Global Id: T0605901255 Actual: Latitude: 33.6153569 377 ft. Longitude: -117.7069164

Case Type: Not reported

Completed - Case Closed Status:

03/16/2004 Status Date: Lead Agency: Not reported

Case Worker: KL

Local Agency: Not reported **RB Case Number:** 083001666T LOC Case Number: Not reported

File Location: Local Agency Warehouse

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Diesel, Gasoline Not reported Site History:

Click here to access the California GeoTracker records for this facility:

Contact:

T0605901255 Global Id:

Local Agency Caseworker Contact Type: Contact Name: **KEVIN LAMBERT** Organization Name: ORANGE COUNTY LOP Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA Email: klambert@ochca.com

Phone Number: 7144336261

T0605901255 Global Id:

Local Agency Caseworker Contact Type: Contact Name: JAMES STROZIER ORANGE COUNTY LOP Organization Name:

Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA Email: jstrozier@ochca.com Phone Number: 7144336273

Global Id: T0605901255

Regional Board Caseworker Contact Type: Contact Name: TOM E. MBEKE-EKANEM

Direction Distance

Elevation Site Database(s) EPA ID Number

CHEVRON SERVICE STATION #9-0141 (Continued)

S103644904

EDR ID Number

Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500

City: RIVERSIDE

Email: tmbeke-ekanem@waterboards.ca.gov

Phone Number: 9513202007

Status History:

Global Id: T0605901255

Status: Completed - Case Closed

Status Date: 03/16/2004

Global Id: T0605901255

Status: Open - Case Begin Date

Status Date: 07/10/1990

Global Id: T0605901255

Status: Open - Verification Monitoring

Status Date: 04/01/1996

Regulatory Activities:

Global Id: T0605901255
Action Type: ENFORCEMENT
Date: 01/28/2004

Action: LOP Case Closure Summary to RB

 Global Id:
 T0605901255

 Action Type:
 Other

 Date:
 07/10/1990

 Action:
 Leak Reported

 Global Id:
 T0605901255

 Action Type:
 Other

 Date:
 07/10/1990

 Action:
 Leak Discovery

 Global Id:
 T0605901255

 Action Type:
 ENFORCEMENT

 Date:
 03/17/2004

Action: Closure/No Further Action Letter

 Global Id:
 T0605901255

 Action Type:
 REMEDIATION

 Date:
 07/10/1990

 Action:
 Excavation

 Global Id:
 T0605901255

 Action Type:
 REMEDIATION

 Date:
 03/01/1995

Action: Soil Vapor Extraction (SVE)

 Region:
 STATE

 Global Id:
 T0605906266

 Latitude:
 33.615471

 Longitude:
 -117.7076

 Case Type:
 Not reported

Direction Distance

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

CHEVRON SERVICE STATION #9-0141 (Continued)

S103644904

Completed - Case Closed Status:

10/28/1990 Status Date: Lead Agency: Not reported

Case Worker: KL

Local Agency: Not reported RB Case Number: Not reported LOC Case Number: Not reported File Location: Local Agency

Potential Media Affect: Soil

Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605906266

Contact Type: Regional Board Caseworker Contact Name: TOM E. MBEKE-EKANEM Organization Name: SANTA ANA RWQCB (REGION 8) Address: 3737 MAIN STREET, SUITE 500

City: **RIVERSIDE**

Email: tmbeke-ekanem@waterboards.ca.gov

Phone Number: 9513202007

Global Id: T0605906266

Local Agency Caseworker Contact Type: Contact Name: JAMES STROZIER Organization Name: ORANGE COUNTY LOP

Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA jstrozier@ochca.com Email:

Phone Number: 7144336273

T0605906266 Global Id:

Contact Type: Local Agency Caseworker Contact Name: KEVIN LAMBERT ORANGE COUNTY LOP Organization Name:

Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA

Email: klambert@ochca.com

Phone Number: 7144336261

Status History:

T0605906266 Global Id:

Status: Completed - Case Closed

10/28/1990 Status Date:

T0605906266 Global Id:

Status: Open - Case Begin Date

Status Date: 04/17/1990

Regulatory Activities:

Global Id: T0605906266 Action Type: Other Date: 04/17/1990 Action: Leak Reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CHEVRON SERVICE STATION #9-0141 (Continued)

S103644904

EDR ID Number

 Global Id:
 T0605906266

 Action Type:
 Other

 Date:
 04/17/1990

 Action:
 Leak Discovery

ORANGE CO. LUST:

Region: ORANGE Facility Id: 90UT201

Current Status: Certification (Case Closed)

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: 03/16/2004
Case Type: Other Ground Water
Record ID: RO0001747

Region: ORANGE Facility Id: 90UT201

Current Status: Certification (Case Closed)

Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4

Date Closed: 03/16/2004
Case Type: Other Ground Water
Record ID: RO0001747

Region: ORANGE Facility Id: 90UT102

Current Status: Certification (Case Closed)

Released Substance: Waste oil/Used oil
Date Closed: 10/28/1990
Case Type: Soil Only
Record ID: RO0001792

LUST REG 8:

Region: 8
County: Orange

Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083001666T
Local Case Num: 90UT201

Case Type: Other ground water affected

Substance: 12034,800661

Qty Leaked: 0

Abate Method: Not reported Cross Street: Not reported CLOS Enf Type: Not reported Funding: How Discovered: Tank Closure How Stopped: New Tank Leak Cause: Unknown Leak Source: Unknown T0605901255 Global ID: How Stopped Date: 9/9/9999 Not reported Enter Date: Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: Not reported Discover Date: 7/10/1990 **Enforcement Date:** Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

CHEVRON SERVICE STATION #9-0141 (Continued)

S103644904

EDR ID Number

Close Date: 3/16/2004

Date Prelim Assessment Workplan Submitted: Not reported

Date Pollution Characterization Began: Not reported

Date Remediation Plan Submitted: Not reported

Date Remedial Action Underway: Not reported

Date Post Remedial Action Monitoring: 4/1/1996

Enter Date: Not reported

GW Qualifies:

Soil Qualifies: Not reported Operator: Not reported Not reported Facility Contact: Interim: Not reported LUST Oversite Program: Latitude: 33.6153569 Longitude: -117.7069164 MTBE Date: 6/10/2002 Max MTBE GW: 121 MTBE Concentration: 0

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected

MTBE Class:

Staff: TME Staff Initials: JS

Lead Agency:
Local Agency:
30000L
Hydr Basin #:
Not reported
Beneficial:
MUN
Priority:
Not reported
Cleanup Fund Id:
Work Suspended:
Not reported
Not reported

Summary: Not reported

Region: 8
County: Orange

Regional Board:

Facility Status:

Case Closed

Case Number:

Local Case Num:

90UT102

Case Type:

Soil only

Substance:

Waste Oil

Qty Leaked:

Santa Ana Region

Case Closed

Not reported

90UT102

Soil only

Waste Oil

Abate Method: Not reported Cross Street: Not reported Not reported Enf Type: Not reported Funding: How Discovered: Tank Closure How Stopped: Close Tank Leak Cause: Unknown Leak Source: Unknown T0605906266 Global ID: How Stopped Date: 9/9/9999 Not reported Enter Date: Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: Not reported 4/17/1990 Discover Date: **Enforcement Date:** Not reported

Direction Distance Elevation

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

CHEVRON SERVICE STATION #9-0141 (Continued)

S103644904

EDR ID Number

Close Date: 10/28/1990 Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: Not reported Date Remediation Plan Submitted: Not reported Date Remedial Action Underway: Not reported Not reported Date Post Remedial Action Monitoring: Enter Date: Not reported GW Qualifies: Not reported Soil Qualifies: Not reported Operator: Not reported Facility Contact: Not reported Interim: Not reported LUST Oversite Program: Latitude: Not reported Longitude: Not reported MTBE Date: Not reported Max MTBE GW: Not reported MTBE Concentration:

Max MTBE Soil: Not reported

MTBE Fuel: 0

MTBE Tested: Not Required to be Tested.

MTBE Class:

TME Staff: Staff Initials: JS

Lead Agency: Local Agency Local Agency: 30000L Hydr Basin #: Not reported Beneficial: MUN Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported

Summary: Not reported

SWEEPS UST:

Not reported Status: 2094 Comp Number: Not reported Number: Board Of Equalization: 44-015903 Not reported Referral Date: Not reported Action Date: Not reported Created Date: Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-002094-000001

Tank Status: Not reported 1000 Capacity: Active Date: Not reported Tank Use: UNKNOWN **PRODUCT** STG: Not reported Content:

Number Of Tanks:

Status: Not reported Comp Number: 2094 Number: Not reported 44-015903 Board Of Equalization: Referral Date: Not reported Action Date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CHEVRON SERVICE STATION #9-0141 (Continued)

S103644904

EDR ID Number

Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-002094-000005

Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported Comp Number: 2094 Number: Not reported 44-015903 Board Of Equalization: Referral Date: Not reported Not reported Action Date: Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-002094-000006

Tank Status:
Capacity:
Active Date:
Not reported
Not reported
UNKNOWN
STG:
PRODUCT
Content:
Number Of Tanks:
Not reported
Not reported
Not reported

Status: Not reported 2094 Comp Number: Not reported Number: Board Of Equalization: 44-015903 Referral Date: Not reported Action Date: Not reported Not reported Created Date: Not reported Owner Tank Id:

SWRCB Tank Id: 30-000-002094-000007

Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported Comp Number: 2094 Number: Not reported Board Of Equalization: 44-015903 Referral Date: Not reported Not reported Action Date: Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-002094-000008

Tank Status: Not reported Capacity: 10000
Active Date: Not reported

Direction Distance Elevation

vation Site Database(s) EPA ID Number

CHEVRON SERVICE STATION #9-0141 (Continued)

S103644904

EDR ID Number

Tank Use: UNKNOWN STG: PRODUCT Content: Not reported Number Of Tanks: Not reported

Status: Active
Comp Number: 2094
Number: 9

Board Of Equalization: 44-015903
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SWRCB Tank ld: 30-000-002094-000009

Tank Status: A
Capacity: 10054
Active Date: Not reported
Tank Use: M.V. FUEL

STG: P
Content: DIESEL
Number Of Tanks: 5

Status: Active
Comp Number: 2094
Number: 9

Board Of Equalization: 44-015903
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SWRCB Tank ld: 30-000-002094-000010

Tank Status: A
Capacity: 10054
Active Date: Not reported
Tank Use: M.V. FUEL

STG: P

Content: REG UNLEADED Number Of Tanks: Not reported

Status: Active
Comp Number: 2094
Number: 9

Board Of Equalization: 44-015903
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SWRCB Tank ld: 30-000-002094-000011

Tank Status: A

Capacity: 10054
Active Date: Not reported
Tank Use: M.V. FUEL

STG: P

Content: REG UNLEADED Number Of Tanks: Not reported

Status: Active

Direction Distance

Elevation Site Database(s) EPA ID Number

CHEVRON SERVICE STATION #9-0141 (Continued)

S103644904

EDR ID Number

Comp Number: 2094 Number: 9

 Board Of Equalization:
 44-015903

 Referral Date:
 09-30-92

 Action Date:
 09-15-92

 Created Date:
 02-29-88

 Owner Tank Id:
 Not reported

SWRCB Tank ld: 30-000-002094-000012

Not reported

Tank Status: A
Capacity: 10054
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL

Status: Active Comp Number: 2094 Number: 9

Number Of Tanks:

Board Of Equalization: 44-015903
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-002094-000013

Tank Status: A
Capacity: 1019
Active Date: Not reported
Tank Use: PETROLEUM

STG: P

Content: Not reported Number Of Tanks: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083001666T

K76 90141 HIST UST U001576927
East 23891 BRIDGER RD N/A

East 23891 BRIDGER RD 1/8-1/4 EL TORO, CA 92630

0.249 mi.

1315 ft. Site 5 of 5 in cluster K

Relative: HIST UST:

 Higher
 Region:
 STATE

 Facility ID:
 00000061733

 Actual:
 Facility Type:
 Gas Station

 377 ft.
 Other Type:
 Not reported

Contact Name: WILLIAMS, DARRELL Telephone: 7145867319

Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET

Owner City,St,Zip: SAN FRANCISCO, CA 94105

Total Tanks: 0005

Direction Distance

Elevation Site Database(s) EPA ID Number

90141 (Continued) U001576927

Tank Num: 001 Container Num: 1 Year Installed: 1970 Tank Capacity: 00010000 Tank Used for: **PRODUCT** Type of Fuel: Not reported Container Construction Thickness: 0000250 Leak Detection: Stock Inventor

Tank Num: 002 Container Num: 2 Year Installed: 1970 Tank Capacity: 00010000 Tank Used for: **PRODUCT** Type of Fuel: Not reported 0000250 Container Construction Thickness: Leak Detection: Stock Inventor

Tank Num: 003 Container Num: 3 Year Installed: 1979 Tank Capacity: 00010000 Tank Used for: **PRODUCT** Type of Fuel: Not reported Container Construction Thickness: 0000250 Leak Detection: Stock Inventor

Tank Num: 004 Container Num: 4 Year Installed: 1970 Tank Capacity: 00005000 Tank Used for: **PRODUCT** Type of Fuel: Not reported Container Construction Thickness: 0000250 Stock Inventor Leak Detection:

Tank Num: 005 Container Num: 5 Year Installed: 1970 00001000 Tank Capacity: Tank Used for: WASTE Type of Fuel: Not reported Container Construction Thickness: 0000130 Leak Detection: Stock Inventor

J77 FIRESTONE STORE HIST UST 1000222921
SE 24196 LAGUNA HILLS MALL CA FID UST N/A

1/8-1/4 LAGUNA HILLS, CA 92653 0.249 mi.

1315 ft. Site 6 of 9 in cluster J

Relative: HIST UST:

 Lower
 Region:
 STATE

 Facility ID:
 00000031872

 Actual:
 Facility Type:
 Other

359 ft. Other Type: AUTO SERVICE CENTER

Contact Name: CARL PETERSEN 7145814700

Direction Distance

Elevation Site Database(s) EPA ID Number

FIRESTONE STORE (Continued)

1000222921

EDR ID Number

Owner Name: FIRESTONE TIRE & RUBBER CO
Owner Address: 1200 FIRESTONE PARKWAY

Owner City, St, Zip: AKRON, OH 44317

Total Tanks: 0001

001 Tank Num: Container Num: 1 Year Installed: 1975 Tank Capacity: 00000500 Tank Used for: WASTE WASTE OIL Type of Fuel: Container Construction Thickness: Not reported Leak Detection: None

CA FID UST:

Facility ID: 30007371
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145814700
Mail To: Not reported

Mailing Address: 1200 FIRESTONE PKY

Mailing Address 2: Not reported

Mailing City, St, Zip: LAGUNA HILLS 92653

Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

J78 THE TIRE STATION UST U003783043
SE 24196 LAGUNA HILLS MALL N/A

SE 24196 LAGUNA HILLS MALI 1/8-1/4 LAGUNA HILLS, CA 92653

0.249 mi.

1315 ft. Site 7 of 9 in cluster J

Relative: UST:

Lower Facility ID: 4838

Permitting Agency: ORANGE COUNTY

 Actual:
 Latitude:
 33.61233

 359 ft.
 Longitude:
 -117.70984

J79 EDR US Hist Auto Stat 1015356328 SE 24196 LAGUNA HILLS MALL N/A

SE 24196 LAGUNA HILLS MALL LAGUNA HILLS, CA 92653

0.249 mi.

1315 ft. Site 8 of 9 in cluster J

Relative: EDR Historical Auto Stations:

Lower Name: FIRESTONE TIRE & SRVC CNTR LGN

Year: 2003

Actual: Address: 24196 LAGUNA HILLS MALL

359 ft.

Direction Distance

Elevation Site Database(s) EPA ID Number

(Continued) 1015356328

Name: FIRE STONE TIRE & SERVICE CTR

Year: 2004

Address: 24196 LAGUNA HILLS MALL

Name: FIRESTONE TIRE & SERVICE CENTERS

Year: 2007

Address: 24196 LAGUNA HILLS MALL

Name: FIRESTONE COMPLETE CAR CARE

Year: 2012

Address: 24196 LAGUNA HILLS MALL

Active

J80 FIRESTONE STORE #27FF SWEEPS UST \$106926228

SE 24196 LAGUNA HILLS MALL A 1/8-1/4 LAGUNA HILLS, CA 92653

0.249 mi.

1315 ft. Site 9 of 9 in cluster J

Relative: SWEEPS UST:

Lower Status:

Comp Number: 4838
Actual: Number: 9

359 ft. Soard Of Equalization: 44-016279

Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SWRCB Tank ld: 30-000-004838-000001

Tank Status: A Capacity: 550

Active Date: Not reported Tank Use: PETROLEUM

STG: P

Content: Not reported

Number Of Tanks: 1

 L81
 MOBIL OIL
 LUST
 \$102433791

 ENE
 23771 EL TORO
 HIST CORTESE
 N/A

1/4-1/2 LAKE FOREST, CA 92630

0.272 mi.

1438 ft. Site 1 of 2 in cluster L

Relative: LUST:

 Higher
 Region:
 STATE

 Global Id:
 T0605900211

 Actual:
 Latitude:
 33.6173027

Actual: 33.6173027
382 ft. Longitude: -117.7047362
Case Type: Not reported

Status: Completed - Case Closed

Status Date: 09/02/1986 Lead Agency: Not reported

Case Worker: KL

Local Agency: Not reported
RB Case Number: 083000271T
LOC Case Number: Not reported
File Location: Local Agency

EDR ID Number

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

MOBIL OIL (Continued) S102433791

Potential Media Affect: Under Investigation

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605900211

Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP

Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA

Email: jstrozier@ochca.com

Phone Number: 7144336273

Global Id: T0605900211

Contact Type: Regional Board Caseworker

Contact Name: ROSE SCOTT

Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500

City: RIVERSIDE

Email: rscott@waterboards.ca.gov

Phone Number: 9513206375

Global Id: T0605900211

Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP

Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA Email: SANTA ANA klambert@ochca.com

Phone Number: 7144336261

Status History:

Global Id: T0605900211

Status: Completed - Case Closed

Status Date: 09/02/1986

Global Id: T0605900211

Status: Open - Case Begin Date

Status Date: 09/02/1986

 Region:
 STATE

 Global Id:
 T0605902221

 Latitude:
 33.6169788

 Longitude:
 -117.7052813

 Case Type:
 Not reported

Status: Open - Site Assessment

Status Date: 03/10/2009 Lead Agency: Not reported

Case Worker: KL

Local Agency:

RB Case Number:

LOC Case Number:

Not reported
083003311T

Not reported
File Location:

Not reported
Local Agency

Direction Distance

Elevation Site Database(s) EPA ID Number

MOBIL OIL (Continued) S102433791

Potential Media Affect: Aquifer used for drinking water supply, Other Groundwater (uses other

than drinking water)

Potential Contaminants of Concern: Gasoline

Site History: Please refer to recent Site Documents or Monitoring Reports in

GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports

submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605902221

Contact Type: Regional Board Caseworker

Contact Name: ROSE SCOTT

Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500

City: RIVERSIDE

Email: rscott@waterboards.ca.gov

Phone Number: 9513206375

Global Id: T0605902221

Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP

Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA

Email: klambert@ochca.com
Phone Number: 7144336261

Status History:

Global Id: T0605902221

Status: Open - Case Begin Date

Status Date: 11/09/1998

Global Id: T0605902221

Status: Open - Site Assessment

Status Date: 02/11/1999

Global Id: T0605902221

Status: Open - Site Assessment

Status Date: 01/11/2000

Global Id: T0605902221

Status: Open - Site Assessment

Status Date: 01/10/2001

Global Id: T0605902221

Status: Open - Site Assessment

Status Date: 03/10/2009

Regulatory Activities:

 Global Id:
 T0605902221

 Action Type:
 ENFORCEMENT

 Date:
 10/23/2012

 Action:
 Staff Letter

Global Id: T0605902221

MAP FINDINGS Map ID Direction

Distance

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

MOBIL OIL (Continued) S102433791

Action Type: **ENFORCEMENT** 09/10/2012 Date: Action: Staff Letter

T0605902221 Global Id: **ENFORCEMENT** Action Type: 10/03/2013 Date: Staff Letter Action:

Global Id: T0605902221 Action Type: **ENFORCEMENT** 01/30/2009 Date: Staff Letter Action:

T0605902221 Global Id: Action Type: **ENFORCEMENT** Date: 03/10/2009 Staff Letter Action:

Global Id: T0605902221 Action Type: **ENFORCEMENT** 11/03/2006 Date: Action: Staff Letter

T0605902221 Global Id: **ENFORCEMENT** Action Type: Date: 05/09/2008 Action: Staff Letter

T0605902221 Global Id: Action Type: **ENFORCEMENT** Date: 08/07/2003

Action: * Historical Enforcement

Global Id: T0605902221 **ENFORCEMENT** Action Type: Date: 11/27/2006 Action: Staff Letter

T0605902221 Global Id: **ENFORCEMENT** Action Type: Date: 06/01/2007 Action: Staff Letter

Global Id: T0605902221 Action Type: **ENFORCEMENT** Date: 01/18/2007 Action: Staff Letter

T0605902221 Global Id: **ENFORCEMENT** Action Type: Date: 10/11/2007 Action: Staff Letter

T0605902221 Global Id: Action Type: **ENFORCEMENT** Date: 02/17/2011

Direction Distance Elevation

ion Site Database(s) EPA ID Number

MOBIL OIL (Continued) S102433791

Action: Staff Letter

 Global Id:
 T0605902221

 Action Type:
 ENFORCEMENT

 Date:
 11/18/2010

 Action:
 Staff Letter

 Global Id:
 T0605902221

 Action Type:
 ENFORCEMENT

 Date:
 05/13/2015

 Action:
 Staff Letter

 Global Id:
 T0605902221

 Action Type:
 ENFORCEMENT

 Date:
 12/02/2008

 Action:
 Staff Letter

 Global Id:
 T0605902221

 Action Type:
 ENFORCEMENT

 Date:
 05/04/2012

 Action:
 Staff Letter

 Global Id:
 T0605902221

 Action Type:
 Other

 Date:
 11/23/1998

 Action:
 Leak Reported

 Global Id:
 T0605902221

 Action Type:
 ENFORCEMENT

 Date:
 04/28/2009

 Action:
 Staff Letter

 Global Id:
 T0605902221

 Action Type:
 ENFORCEMENT

 Date:
 07/08/2013

 Action:
 Access Agreement

 Global Id:
 T0605902221

 Action Type:
 ENFORCEMENT

 Date:
 04/26/2010

 Action:
 Staff Letter

 Global Id:
 T0605902221

 Action Type:
 ENFORCEMENT

 Date:
 01/26/2015

 Action:
 Staff Letter

Global Id: T0605902221
Action Type: Other
Date: 11/09/1998
Action: Leak Discovery

 Global Id:
 T0605902221

 Action Type:
 ENFORCEMENT

 Date:
 06/30/2011

 Action:
 Staff Letter

Direction Distance

Elevation Site Database(s) EPA ID Number

MOBIL OIL (Continued) S102433791

 Global Id:
 T0605902221

 Action Type:
 ENFORCEMENT

 Date:
 07/14/2009

 Action:
 Staff Letter

 Global Id:
 T0605902221

 Action Type:
 RESPONSE

 Date:
 10/30/2003

Action: Soil and Water Investigation Report

 Global Id:
 T0605902221

 Action Type:
 REMEDIATION

 Date:
 04/01/2001

Action: In Situ Physical/Chemical Treatment (other than SVE)

 Global Id:
 T0605902221

 Action Type:
 REMEDIATION

 Date:
 07/11/2002

Action: Free Product Removal

ORANGE CO. LUST:

Region: ORANGE Facility Id: 98UT091 Current Status: Not reported

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: Not reported
Case Type: Other Ground Water

Record ID: RO0000891

Region: ORANGE Facility Id: 86UT087

Current Status: Certification (Case Closed)

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: 09/02/1986
Case Type: Undetermined
Record ID: RO0002874

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000271T

 L82
 MOBIL OIL
 LUST
 \$103943569

 ENE
 23771 EL TORO
 SWEEPS UST
 N/A

1/4-1/2 LAKE FOREST, CA 92630 CHMIRS

0.272 mi. HIST CORTESE

1438 ft. Site 2 of 2 in cluster L

Relative: LUST REG 8:
Higher Region: 8

County: Orange
Actual: Regional Board: Santa Ana

Actual: Regional Board: Santa Ana Region
382 ft. Facility Status: Case Closed
Case Number: 083000271T
Local Case Num: 86UT087

Direction Distance

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

MOBIL OIL (Continued) S103943569

Case Type: Undefined Gasoline Substance:

Qty Leaked: 0 Abate Method: Not reported Cross Street: Not reported Not reported Enf Type: Funding: Not reported Tank Closure How Discovered: How Stopped: Close Tank

Leak Cause: Unknown Leak Source: Unknown T0605900211 Global ID: 9/9/9999 How Stopped Date: Enter Date: Not reported Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: Not reported Discover Date: 1/1/1965 **Enforcement Date:** Not reported Close Date: 9/2/1986 Date Prelim Assessment Workplan Submitted: Not reported

Date Post Remedial Action Monitoring: Not reported Enter Date: Not reported **GW Qualifies:** Not reported Soil Qualifies: Not reported Operator: Not reported **Facility Contact:** Not reported Not reported Interim: LUST Oversite Program: Latitude: 33.6168698 Longitude: -117.7050693 MTBE Date: Not reported

Not reported MTBE Concentration:

Date Pollution Characterization Began:

Date Remediation Plan Submitted:

Date Remedial Action Underway:

Max MTBE GW:

Max MTBE Soil: Not reported

MTBE Fuel:

Site NOT Tested for MTBE.Includes Unknown and Not Analyzed. MTBE Tested:

Not reported

Not reported

Not reported

MTBE Class: RS Staff: Staff Initials: JS Lead Agency:

Local Agency 30000L Local Agency: Hydr Basin #: Not reported Beneficial: MUN Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported

Summary: Not reported

Region: County: Orange

Regional Board: Santa Ana Region

Facility Status: Preliminary site assessment underway

Case Number: 083003311T Local Case Num: 98UT091

Direction Distance

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

MOBIL OIL (Continued) S103943569

Case Type: Other ground water affected

Gasoline Substance: Qty Leaked: 0

Abate Method: Not reported Cross Street: Not reported Enf Type: **OEFA** Funding: Not reported

How Discovered: UM How Stopped: NPP Leak Cause: Unknown Leak Source: Piping T0605902221 Global ID: 9/9/9999 How Stopped Date: Enter Date: Not reported Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: 1/10/2001 Discover Date: 11/9/1998 **Enforcement Date:** Not reported Close Date: Not reported Date Prelim Assessment Workplan Submitted: 2/11/1999 Date Pollution Characterization Began: 1/11/2000 Date Remediation Plan Submitted: Not reported

Date Remedial Action Underway: Not reported Date Post Remedial Action Monitoring: Not reported Enter Date: Not reported

GW Qualifies:

Soil Qualifies: Operator: Not reported **Facility Contact:** Not reported Not reported Interim: LUST Oversite Program:

Latitude: 33.6169788 Longitude: -117.7052813 MTBE Date: 8/2/2002 90000 Max MTBE GW: MTBE Concentration: 0 Max MTBE Soil: .0038 MTBE Fuel:

MTBE Detected. Site tested for MTBE & MTBE detected MTBE Tested:

MTBE Class: RS Staff: Staff Initials: JS

Lead Agency: Local Agency 30000L Local Agency: Hydr Basin #: Not reported Beneficial: MUN Priority: Not reported Cleanup Fund Id: Not reported Not reported

Work Suspended: Summary: Not reported

SWEEPS UST:

Status: Active Comp Number: 4639 Number: 9

Board Of Equalization: 44-016231 Referral Date: 09-30-92

Direction
Distance

Elevation Site Database(s) EPA ID Number

MOBIL OIL (Continued) S103943569

Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SWRCB Tank ld: 30-000-004639-000001

Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL

STG: P
Content: DIESEL
Number Of Tanks: 4

Status: Active
Comp Number: 4639
Number: 9

Board Of Equalization: 44-016231
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-004639-000002

Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL

STG: P
Content: REG UNLEADED

Number Of Tanks: Not reported

Status: Active
Comp Number: 4639
Number: 9

Board Of Equalization: 44-016231
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SWRCB Tank ld: 30-000-004639-000003

Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL

STG: P

Content: REG UNLEADED Number Of Tanks: Not reported

Status: Active
Comp Number: 4639
Number: 9
Board Of Equalization: 44-016231

 Referral Date:
 09-30-92

 Action Date:
 09-15-92

 Created Date:
 02-29-88

 Owner Tank Id:
 Not reported

SWRCB Tank Id: 30-000-004639-000004

Tank Status: A Capacity: 10000

Direction Distance

Elevation Site Database(s) EPA ID Number

MOBIL OIL (Continued) S103943569

Active Date: Not reported Tank Use: M.V. FUEL STG: P
Content: DIESEL Number Of Tanks: Not reported

CHMIRS:

OES Incident Number: 2-2243 OES notification: 04/24/2002 OES Date: Not reported **OES Time:** Not reported Incident Date: Not reported Not reported **Date Completed:** Property Use: Not reported Agency Id Number: Not reported Agency Incident Number: Not reported Time Notified: Not reported Time Completed: Not reported Surrounding Area: Not reported Estimated Temperature: Not reported Property Management: Not reported More Than Two Substances Involved?: Not reported Resp Agncy Personel # Of Decontaminated: Not reported Not reported Responding Agency Personel # Of Injuries: Responding Agency Personel # Of Fatalities: Not reported Others Number Of Decontaminated: Not reported Others Number Of Injuries: Not reported Others Number Of Fatalities: Not reported Vehicle Make/year: Not reported Vehicle License Number: Not reported Vehicle State: Not reported Vehicle Id Number: Not reported CA DOT PUC/ICC Number: Not reported Not reported Company Name: Not reported Reporting Officer Name/ID: Report Date: Not reported Facility Telephone: Not reported Waterway Involved: No Waterway: Not reported Spill Site: Not reported

Responsible Party Cleanup By: Containment: Not reported What Happened: Not reported Type: Not reported Measure: Not reported Other: Not reported Date/Time: Not reported Year: 2002 Agency: Veeder Root

Incident Date: 4/24/200212:00:00 AM

Admin Agency: Orange County Emergency Managment Div

Amount: Not reported Contained: Yes

Site Type: Service Station
E Date: Not reported
Substance: Gasoline
Gallons: 1

Direction Distance

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

MOBIL OIL (Continued) S103943569

Unknown: 0

Not reported Substance #2: Not reported Substance #3:

Evacuations: Number of Injuries: 0 Number of Fatalities:

#1 Pipeline: Not reported #2 Pipeline: Not reported #3 Pipeline: Not reported #1 Vessel >= 300 Tons: Not reported #2 Vessel >= 300 Tons: Not reported #3 Vessel >= 300 Tons: Not reported Not reported Evacs: Injuries: Not reported Fatals: Not reported Comments: Not reported

Description: Auto shutoff malfunctioned.

HIST CORTESE:

CORTESE Region: Facility County Code: 30 Reg By: **LTNKA** Reg Id: 083003311T

M83 **USA PETROLEUM #825** LUST S106175189 **East** 23852 EL TORO **ENF** N/A

1/4-1/2 LAKE FOREST, CA 92630

0.305 mi.

1608 ft. Site 1 of 2 in cluster M LUST:

Relative: Higher

Actual:

379 ft.

Region: STATE T0605900965 Global Id: Latitude: 33.6157689 Longitude: -117.7060684

Case Type: Not reported

Completed - Case Closed Status: 09/20/2004 Status Date:

Lead Agency: Not reported Case Worker:

KL Local Agency: Not reported

083001244T RB Case Number: LOC Case Number: Not reported File Location: Local Agency Warehouse

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605900965

Contact Type: Regional Board Caseworker

Contact Name: CARL BERNHARDT

Organization Name: SANTA ANA RWQCB (REGION 8) Address: 3737 MAIN STREET, SUITE 500

City: **RIVERSIDE**

Email: cbernhardt@waterboards.ca.gov

Direction Distance

Elevation Site Database(s) EPA ID Number

USA PETROLEUM #825 (Continued)

S106175189

EDR ID Number

Phone Number: 9517824495

Global Id: T0605900965

Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Global Id: T0605900965

Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP
Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA

Email: klambert@ochca.com

Phone Number: 7144336261

Status History:

Global Id: T0605900965

Status: Completed - Case Closed

Status Date: 09/20/2004

Global Id: T0605900965

Status: Open - Case Begin Date

Status Date: 04/06/1988

Global Id: T0605900965
Status: Open - Remediation

Status Date: 02/01/1996

Global Id: T0605900965

Status: Open - Site Assessment

Status Date: 04/06/1988

Global Id: T0605900965

Status: Open - Site Assessment

Status Date: 07/22/1993

Global Id: T0605900965

Status: Open - Verification Monitoring

Status Date: 08/01/1998

Regulatory Activities:

 Global Id:
 T0605900965

 Action Type:
 ENFORCEMENT

 Date:
 09/20/2004

Action: Closure/No Further Action Letter

Global Id: T0605900965
Action Type: ENFORCEMENT
Date: 05/28/2003

Action: * Historical Enforcement

Direction Distance

Elevation Site Database(s) EPA ID Number

USA PETROLEUM #825 (Continued)

S106175189

EDR ID Number

 Global Id:
 T0605900965

 Action Type:
 Other

 Date:
 04/06/1988

 Action:
 Leak Reported

 Global Id:
 T0605900965

 Action Type:
 Other

 Date:
 04/06/1988

 Action:
 Leak Discovery

 Global Id:
 T0605900965

 Action Type:
 RESPONSE

 Date:
 09/22/2003

Action: Soil and Water Investigation Report

 Global Id:
 T0605900965

 Action Type:
 REMEDIATION

 Date:
 02/01/1996

Action: In Situ Physical/Chemical Treatment (other than SVE)

 Global Id:
 T0605900965

 Action Type:
 REMEDIATION

 Date:
 02/01/1996

 Action:
 Excavation

 Global Id:
 T0605900965

 Action Type:
 REMEDIATION

 Date:
 02/01/1996

Action: Soil Vapor Extraction (SVE)

 Region:
 STATE

 Global Id:
 T0605936712

 Latitude:
 33.615446

 Longitude:
 -117.706086

 Case Type:
 Not reported

Status: Completed - Case Closed

Status Date: 12/14/2005 Lead Agency: Not reported Case Worker: KL

Local Agency: Not reported RB Case Number: Not reported LOC Case Number: Not reported File Location: Local Agency

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Diesel, Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605936712

Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP

Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA
Email: jstrozier@ochca.com

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

USA PETROLEUM #825 (Continued)

S106175189

EDR ID Number

Phone Number: 7144336273

Global Id: T0605936712

Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP
Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA
Email: klambert@ochca.com

Phone Number: 7144336261

Status History:

Global Id: T0605936712

Status: Completed - Case Closed

Status Date: 12/14/2005

Global Id: T0605936712

Status: Open - Case Begin Date

Status Date: 06/11/2003

Global Id: T0605936712

Status: Open - Site Assessment

Status Date: 06/17/2003

Regulatory Activities:

 Global Id:
 T0605936712

 Action Type:
 ENFORCEMENT

 Date:
 06/18/2003

Action: * Corrective Action Orders

 Global Id:
 T0605936712

 Action Type:
 ENFORCEMENT

 Date:
 06/18/2003

Action: Notice of Responsibility

 Global Id:
 T0605936712

 Action Type:
 ENFORCEMENT

 Date:
 05/14/2004

 Action:
 Staff Letter

 Global Id:
 T0605936712

 Action Type:
 ENFORCEMENT

 Date:
 12/14/2005

Action: Closure/No Further Action Letter

 Global Id:
 T0605936712

 Action Type:
 Other

 Date:
 06/11/2003

 Action:
 Leak Reported

 Global Id:
 T0605936712

 Action Type:
 Other

 Date:
 06/11/2003

 Action:
 Leak Discovery

Global Id: T0605936712

Direction Distance

Elevation Site Database(s) EPA ID Number

USA PETROLEUM #825 (Continued)

S106175189

EDR ID Number

Action Type: RESPONSE Date: 09/29/2003

Action: Soil and Water Investigation Workplan

 Global Id:
 T0605936712

 Action Type:
 RESPONSE

 Date:
 07/14/2003

Action: Other Report / Document

 Global Id:
 T0605936712

 Action Type:
 REMEDIATION

 Date:
 06/19/2003

 Action:
 Excavation

ORANGE CO. LUST:

Region: ORANGE Facility Id: 03UT024

Current Status: Certification (Case Closed)

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: Not reported
Case Type: Other Ground Water
Record ID: RO0003205

Record ID. RO0003203

Region: ORANGE Facility Id: 88UT067

Current Status: Certification (Case Closed)

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: 08/19/2004

Case Type: Other Ground Water

Record ID: RO0002476

Region: ORANGE Facility Id: 03UT024

Current Status: Certification (Case Closed)

Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4

Date Closed: 12/14/2005 Case Type: Other Ground Water Record ID: RO0003205

LUST REG 8:

Region: 8
County: Orange

Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083001244T
Local Case Num: 88UT067

Case Type: Other ground water affected

Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: CLOS
Funding: Not reported
How Discovered: OM

How Stopped: Other Means

Direction Distance

Elevation Site Database(s) EPA ID Number

USA PETROLEUM #825 (Continued)

S106175189

EDR ID Number

Leak Cause: Unknown Leak Source: Unknown T0605900965 Global ID: How Stopped Date: 9/9/9999 Enter Date: Not reported Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: 4/6/1988 4/6/1988 Discover Date: **Enforcement Date:** Not reported Close Date: 9/20/2004 Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: 7/22/1993 Date Remediation Plan Submitted: Not reported Date Remedial Action Underway: 2/1/1996 Date Post Remedial Action Monitoring: 8/1/1998 Enter Date: Not reported

GW Qualifies: =

Soil Qualifies: Not reported Operator: Not reported Facility Contact: Not reported Interim: Not reported Oversite Program: LUST 33.6157689 Latitude: Longitude: -117.7060684 MTBE Date: 9/19/2001 Max MTBE GW: 360 MTBE Concentration: 0

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected

MTBE Class: *
Staff: CAB
Staff Initials: JS

Lead Agency:Local AgencyLocal Agency:30000LHydr Basin #:Not reportedBeneficial:MUNPriority:Not reportedCleanup Fund Id:Not reportedWork Suspended:Not reported

Summary: Not reported

ENF:

 Region:
 9

 Facility Id:
 269510

Agency Name: Orange Cnty Health Care Agency

Place Type: Facility
Place Subtype: Not reported
Facility Type: All other facilities
Agency Type: County Agency

Of Agencies: 1

Place Latitude: Not reported
Place Longitude: Not reported
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
Not reported

Direction Distance Elevation

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

USA PETROLEUM #825 (Continued)

S106175189

EDR ID Number

SIC Code 3: Not reported SIC Desc 3: Not reported NAICS Code 1: Not reported NAICS Desc 1: Not reported NAICS Code 2: Not reported NAICS Desc 2: Not reported NAICS Code 3: Not reported NAICS Desc 3: Not reported # Of Places:

Source Of Facility: Reg Meas Design Flow: Not reported Not reported Threat To Water Quality: Complexity: Not reported Pretreatment: Not reported Facility Waste Type: Not reported Facility Waste Type 2: Not reported Facility Waste Type 3: Not reported Facility Waste Type 4: Not reported Program: UST

Program Category1: **TANKS** Program Category2: **TANKS** # Of Programs: 03UT024

Reg Measure Id: 153949 Reg Measure Type: Unregulated

Region: Order #: Not reported Npdes# CA#: Not reported Major-Minor: Not reported Npdes Type: Not reported Reclamation: Not reported Dredge Fill Fee: Not reported 301H: Not reported Application Fee Amt Received: Not reported **Never Active** Status: 02/20/2013 Status Date: Effective Date: Not reported Expiration/Review Date: Not reported Termination Date: Not reported WDR Review - Amend: Not reported

WDR Review - Revise/Renew: Not reported Not reported WDR Review - Rescind: WDR Review - No Action Required: Not reported WDR Review - Pending: Not reported WDR Review - Planned: Not reported

Status Enrollee: Ν Individual/General:

Fee Code: Not reported Direction/Voice: **Passive** 256549 Enforcement Id(EID):

Region:

Order / Resolution Number: R9-2005-0164 Enforcement Action Type: 13267 Letter Effective Date: 05/20/2005 Adoption/Issuance Date: Not reported Not reported Achieve Date: Termination Date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

USA PETROLEUM #825 (Continued)

S106175189

EDR ID Number

ACL Issuance Date:

EPL Issuance Date:

Status:

Not reported

Not reported

Active

Title: Enforcement - 03UT024

Description: ORDER ISSUED UNDER AUTHORITY WC SEC 13325, REQUIRING COUNTY

LOP TO COMPEL DISCHARGER TO COMPLY WITH MINIMUM ELECTRONIC REPORTING REGULATIONS BEFORE SUBMITTING LOP CASE CLOSURE

SUMMARY TO REGIONAL BOARD FOR REVIEW.

Program: UST

Latest Milestone Completion Date: Not reported

Of Programs1: 1

Total Assessment Amount: 0.00
Initial Assessed Amount: 0.00
Liability \$ Amount: 0.00

Project \$ Amount: 0.00
Liability \$ Paid: 0.00

Project \$ Completed: 0.00

Total \$ Paid/Completed Amount: 0.00

M84 SHELL OIL LUST S105774352
East 23842 EL TORO RD N/A

East 23842 EL TORO RD 1/4-1/2 LAKE FOREST, CA 92630

0.324 mi.

1710 ft. Site 2 of 2 in cluster M

Relative: LUST: Higher Region: STATE

Status: Completed - Case Closed

Status Date: 09/29/2005 Lead Agency: Not reported Case Worker: KL

Local Agency: Not reported RB Case Number: Not reported LOC Case Number: Not reported File Location: Local Agency

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605902278

Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP
Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA
Email: klambert@ochca.com

Phone Number: 7144336261

Global Id: T0605902278

Contact Type: Regional Board Caseworker Contact Name: CARL BERNHARDT

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL OIL (Continued) S105774352

Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500

City: RIVERSIDE

Email: cbernhardt@waterboards.ca.gov

Phone Number: 9517824495

Global Id: T0605902278

Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP

Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA
Email: jstrozier@ochca.com

Phone Number: 7144336273

Status History:

Global Id: T0605902278

Status: Completed - Case Closed

Status Date: 09/29/2005

Global Id: T0605902278

Status: Open - Case Begin Date

Status Date: 01/07/1999

Global Id: T0605902278

Status: Open - Site Assessment

Status Date: 12/08/1999

Regulatory Activities:

 Global Id:
 T0605902278

 Action Type:
 Other

 Date:
 03/17/1999

 Action:
 Leak Reported

 Global Id:
 T0605902278

 Action Type:
 Other

 Date:
 01/07/1999

 Action:
 Leak Discovery

 Global Id:
 T0605902278

 Action Type:
 ENFORCEMENT

 Date:
 09/29/2005

Action: Closure/No Further Action Letter

 Global Id:
 T0605902278

 Action Type:
 REMEDIATION

 Date:
 01/15/1999

 Action:
 Excavation

ORANGE CO. LUST:

Region: ORANGE Facility Id: 99UT030

Current Status: Certification (Case Closed)

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: 09/29/2005

Direction Distance

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

SHELL OIL (Continued) S105774352

Case Type: Other Ground Water Record ID: RO0001822

LUST REG 8:

Region: 8 Orange County:

Regional Board: Santa Ana Region Facility Status: Pollution Characterization

Case Number: 083003449T Local Case Num: 99UT030

Case Type: Other ground water affected

Gasoline Substance: Qty Leaked: 0

Abate Method: Not reported Cross Street: Not reported Not reported Enf Type: Not reported Funding: How Discovered: Tank Closure How Stopped: Close Tank Leak Cause: Unknown Unknown Leak Source: T0605902278 Global ID: How Stopped Date: 9/9/9999 Enter Date: Not reported Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: Not reported 1/7/1999 Discover Date: **Enforcement Date:** Not reported Close Date: Not reported Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: 12/8/1999 Date Remediation Plan Submitted: Not reported

Date Post Remedial Action Monitoring: Not reported Enter Date: Not reported GW Qualifies:

Date Remedial Action Underway:

Soil Qualifies: Operator: Not reported Facility Contact: Not reported Interim: Not reported LUST Oversite Program: Latitude: 33.6158299 Longitude: -117.7059824 MTBE Date: 9/18/2002 Max MTBE GW: 12000

MTBE Concentration: 0 Max MTBE Soil: 2600 MTBE Fuel:

MTBE Detected. Site tested for MTBE & MTBE detected MTBE Tested:

Not reported

MTBE Class: Staff: CAB Staff Initials: JS

Local Agency Lead Agency: Local Agency: 30000L Hydr Basin #: Not reported Beneficial: MUN Priority: Not reported

Direction Distance

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

SHELL OIL (Continued) S105774352

Cleanup Fund Id: Not reported Not reported Work Suspended:

Not reported Summary:

N85 MOBIL #18-HKF LUST \$105774202 N/A

WSW 24362 EL TORO 1/4-1/2 LAGUNA WOODS, CA 92653

0.326 mi.

1723 ft. Site 1 of 2 in cluster N

LUST: Relative:

STATE Region: Higher Global Id: T0605901214 Actual: 33.61006334 Latitude: 378 ft. Longitude: -117.724721799

Case Type: Not reported Status: Completed - Case Closed

Status Date: 01/11/2013 Lead Agency: Not reported

Case Worker: KL

Local Agency: Not reported **RB Case Number:** 083001598T LOC Case Number: Not reported File Location: Local Agency

Potential Media Affect: Aquifer used for drinking water supply

Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating, Gasoline

Site History: Please refer to recent Site Documents or Monitoring Reports in

> GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports

submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605901214

Contact Type: Local Agency Caseworker Contact Name: KEVIN LAMBERT ORANGE COUNTY LOP Organization Name: Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA

klambert@ochca.com Email:

Phone Number: 7144336261

Status History:

Global Id: T0605901214

Status: Completed - Case Closed

01/11/2013 Status Date:

Global Id: T0605901214

Status: Open - Case Begin Date

Status Date: 10/03/1989

Global Id: T0605901214

Status: Open - Eligible for Closure

Status Date: 01/08/2013

T0605901214 Global Id: Status: Open - Remediation

MAP FINDINGS Map ID Direction

Distance

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

MOBIL #18-HKF (Continued) S105774202

Status Date: 06/01/1996

Global Id: T0605901214

Status: Open - Verification Monitoring

Status Date: 02/01/2002

Regulatory Activities:

Global Id: T0605901214 Action Type: **ENFORCEMENT** Date: 10/24/2007 Action: Staff Letter

Global Id: T0605901214 Action Type: **ENFORCEMENT** Date: 01/22/2009 Staff Letter Action:

Global Id: T0605901214 Action Type: **ENFORCEMENT** Date: 01/11/2013

Action: Closure/No Further Action Letter

Global Id: T0605901214 **ENFORCEMENT** Action Type: 10/06/2009 Date: Action: Staff Letter

Global Id: T0605901214 Action Type: **ENFORCEMENT** Date: 04/17/2003

Action: * Historical Enforcement

Global Id: T0605901214 Action Type: **ENFORCEMENT** Date: 11/29/2007 Action: Staff Letter

Global Id: T0605901214 **ENFORCEMENT** Action Type: 02/24/2004 Date:

Action: * Historical Enforcement

Global Id: T0605901214 Action Type: **ENFORCEMENT** Date: 07/13/2007 Staff Letter Action:

Global Id: T0605901214 Action Type: **ENFORCEMENT** Date: 09/25/2012

Action: Notification - Preclosure

Global Id: T0605901214 Action Type: Other 03/23/1990 Date: Action: Leak Reported

Direction Distance

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

MOBIL #18-HKF (Continued)

S105774202

T0605901214 Global Id: **ENFORCEMENT** Action Type: Date: 04/11/2012

Action: LOP Case Closure Summary to RB

Global Id: T0605901214 **ENFORCEMENT** Action Type: Date: 02/25/2011

Action: File Review - Closure

T0605901214 Global Id: Action Type: **ENFORCEMENT** Date: 09/10/2012

Action: LOP Case Closure Summary to RB

Global Id: T0605901214 Other Action Type: 10/03/1989 Date: Action: Leak Discovery

Global Id: T0605901214 **ENFORCEMENT** Action Type: Date: 10/20/2008 Action: Staff Letter

Global Id: T0605901214 Action Type: **ENFORCEMENT** Date: 04/28/2009 Action: Staff Letter

Global Id: T0605901214 Action Type: **RESPONSE** Date: 04/25/2003

Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0605901214 Action Type: **RESPONSE** Date: 03/15/2004

Other Report / Document Action:

T0605901214 Global Id: Action Type: REMEDIATION Date: 02/01/1998

In Situ Physical/Chemical Treatment (other than SVE) Action:

Global Id: T0605901214 Action Type: REMEDIATION Date: 06/01/1996

Action: Ex Situ Physical/Chemical Treatment (other than P&T, SVE, or

Excavation)

T0605901214 Global Id: **ENFORCEMENT** Action Type: Date: 08/22/2012 Action: Staff Letter

Global Id: T0605901214

Direction Distance

Elevation Site Database(s) EPA ID Number

MOBIL #18-HKF (Continued)

S105774202

EDR ID Number

Action Type: ENFORCEMENT
Date: 07/14/2009
Action: Staff Letter

 Global Id:
 T0605901214

 Action Type:
 ENFORCEMENT

 Date:
 08/15/2012

 Action:
 Staff Letter

 Global Id:
 T0605901214

 Action Type:
 RESPONSE

 Date:
 05/05/2010

Action: Clean Up Fund - 5-Year Review Summary

 Global Id:
 T0605901214

 Action Type:
 RESPONSE

 Date:
 05/11/2010

Action: Clean Up Fund - 5-Year Review Summary

 Global Id:
 T0605901214

 Action Type:
 RESPONSE

 Date:
 05/11/2010

Action: Clean Up Fund - 5-Year Review Summary

LUST REG 8:

Region: 8 County: Orange

Regional Board: Santa Ana Region

Facility Status: Post remedial action monitoring

 Case Number:
 083001598T

 Local Case Num:
 90UT095

Case Type: Other ground water affected

 Substance:
 12035,800661

 Qty Leaked:
 0

Abate Method: Not reported Cross Street: Not reported Enf Type: OEFA Funding: Not reported

How Discovered: SA

Other Means How Stopped: Leak Cause: Unknown Leak Source: Unknown Global ID: T0605901214 How Stopped Date: 9/9/9999 Enter Date: Not reported Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: Not reported Discover Date: 10/3/1989 **Enforcement Date:** Not reported Close Date: Not reported Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: Not reported Date Remediation Plan Submitted: Not reported 6/1/1996 Date Remedial Action Underway: Date Post Remedial Action Monitoring: 2/1/2002 Enter Date: Not reported

Direction Distance

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

MOBIL #18-HKF (Continued)

S105774202

GW Qualifies:

Soil Qualifies: Not reported Operator: Not reported Facility Contact: Not reported Interim: Not reported Oversite Program: LUST 33.6090672 Latitude: -117.7295042 Longitude: MTBE Date: 12/30/2002 Max MTBE GW: 37000 MTBE Concentration: 0

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected

MTBE Class: RS Staff: Staff Initials: JS

Local Agency Lead Agency: Local Agency: 30000L Hydr Basin #: Not reported Beneficial: MUN Priority: Not reported Cleanup Fund Id: Not reported

Work Suspended: Not reported

Summary: Not reported

MOBIL #18-HKF CA FID UST U002096204

wsw 24362 1/4-1/2 LAGUNA HILLS, CA 92653

0.327 mi.

N86

1724 ft. Site 2 of 2 in cluster N

CA FID UST: Relative:

Facility ID: 30001058 Higher Regulated By: UTNKA Actual: Regulated ID: Not reported 378 ft.

Cortese Code: Not reported SIC Code: Not reported Facility Phone: 7148301571 Mail To: Not reported

Mailing Address: 3225 GALLOWS RD ATTN: EAR

Mailing Address 2: Not reported

Mailing City, St, Zip: LAGUNA HILLS 92653

Contact: Not reported Contact Phone: Not reported **DUNs Number:** Not reported Not reported NPDES Number: Not reported EPA ID: Not reported Comments: Status: Active

HIST CORTESE:

CORTESE Region: Facility County Code: 30 Reg By: **LTNKA** 083001598T Reg Id:

HIST CORTESE

N/A

MAP FINDINGS Map ID Direction

EDR ID Number Distance Elevation Site Database(s) **EPA ID Number**

087 **MERCURY CLEANERS** SLIC S106487168 North

23804 MERCURY ROAD N/A

1/4-1/2 LAKE FOREST, CA

0.387 mi.

2042 ft. Site 1 of 2 in cluster O

SLIC REG 8: Relative:

Soil and Groundwater Lower Type:

Facility Status: Additional Characterization Underway

Actual: Staff: **WDM** 337 ft. PCE Substance:

> Lead Agency: Regional Board Location Code: Not reported Not reported Thomas Bros Code:

088 **ROCKFIELD SHOWPLACE, LLC** SLIC S108754108

North 23804 MERCURY RD **DRYCLEANERS** N/A

1/4-1/2 LAKE FOREST, CA 92630

0.387 mi.

Site 2 of 2 in cluster O 2042 ft.

SLIC: Relative: Region: STATE Lower

Facility Status: Open - Remediation

Actual: 06/06/2011 Status Date: 337 ft. SL0605971766 Global Id:

> Lead Agency: SANTA ANA RWQCB (REGION 8)

Lead Agency Case Number: Not reported Latitude: 33.6247663488643 Longitude: -117.714351117611 Cleanup Program Site Case Type:

Case Worker: ΑK

Local Agency: Not reported RB Case Number: Not reported Regional Board File Location:

Potential Media Affected: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Tetrachloroethylene (PCE)

The site is a former dry cleaning unit that has significant Site History:

contamination of soil and soil gas with PCE. Groundwater

contamination is low to moderate. Comprehensive soil and soil gas investigation has been conducted at the Site. The RP has propsoed SVE

pilot testing at the Site. Off-site downgradient groundwater

investigation has been partially completed. Semi-annual groundwater monitoring is ongoing. SVE and air sparge pilot tests have been

completed at the SIte.

Click here to access the California GeoTracker records for this facility:

DRYCLEANERS:

CAL000292345 EPA Id:

NAICS Code: 81232

NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)

SIC Code:

SIC Description: Power Laundries, Family and Commercial

Create Date: 03/22/2005 Facility Active: Yes Inactive Date: Not reported Facility Addr2: Not reported

ROCKFIELD SHOWPLACE LLC Owner Name:

Direction Distance

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

ROCKFIELD SHOWPLACE, LLC (Continued)

S108754108

S101307745

N/A

LUST

SWEEPS UST

Owner Address: 629 CAMINO DE LOS MARES STE 201

Owner Address 2: Not reported Owner Telephone: 9494931313 Contact Name: DALE GELGUR

Contact Address: 629 CAMINO DE LOS MARES STE 201

Contact Address 2: Not reported Contact Telephone: 9494931313 Mailing Name: Not reported

Mailing Address 1: 629 CAMINO DE LOS MARES STE 201

Mailing Address 2: Not reported Mailing City: SAN CLEMENTE

Mailing State: CA 926732831 Mailing Zip: Owner Fax: Not reported Region Code: 9494931392

89 **UNOCAL #4966** wsw **24201 EL TORO RD** 1/4-1/2 LAKE FOREST, CA 92630

0.392 mi. 2070 ft.

LUST REG 9: Relative: Higher Region:

Status: Preliminary site assessment workplan submitted

Actual: 9UT2436 Case Number: 383 ft. Local Case: 93UT20 Substance: Gasoline

Qty Leaked: Not reported Abate Method: Not reported Local Agency: Orange How Found: Not reported Not reported How Stopped: Not reported Source: Cause: Not reported Local Agency Lead Agency: Case Type: Soil only Date Found: // Date Stopped: / / Confirm Date: // Submit Workplan: 4/1/93 Prelim Assess:

Desc Pollution: Not reported

Remed Plan:

Remed Action: Not reported Began Monitor: Not reported 04/01/1993 Release Date: Not reported Enforce Date: Closed Date: Not reported Enforce Type: Not reported Pilot Program: LOP Basin Number: 901.20 GW Depth: Not reported

Beneficial Use: Municipal groundwater use

NPDES Number: Not reported Priority: Not reported

File discarded, case closed File Dispn: Interim Remedial Actions: No

Direction Distance

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

UNOCAL #4966 (Continued)

S101307745

Cleanup and Abatement order Number: Not reported Waste Discharge Requirement Number: Not reported

SWEEPS UST:

Status: Active Comp Number: 4641 Number: 9

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-004641-000001

Tank Status: Capacity: 12000 Active Date: Not reported M.V. FUEL Tank Use:

STG: Content: **DIESEL** Number Of Tanks: 3

Status: Active Comp Number: 4641 Number:

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

30-000-004641-000002 SWRCB Tank Id:

Tank Status: Α Capacity: 12000 Active Date: Not reported M.V. FUEL Tank Use:

STG:

REG UNLEADED Content: Number Of Tanks: Not reported

Status: Active Comp Number: 4641 Number:

Board Of Equalization: Not reported Referral Date: 09-30-92 09-15-92 Action Date: Created Date: 02-29-88 Owner Tank Id: Not reported

30-000-004641-000003 SWRCB Tank Id:

Tank Status: Α 10000 Capacity: Active Date: Not reported Tank Use: M.V. FUEL

STG: DIESEL Content: Number Of Tanks: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

P90 UNOCAL #4966 LUST U003942662 ENE 24201 EL TORO RD # 4966 UST N/A

ENE 24201 EL TORO RD # 4966 1/4-1/2 LAKE FOREST, CA 92630

0.399 mi.

Actual:

400 ft.

2108 ft. Site 1 of 3 in cluster P

Relative: LUST: Reg

 Region:
 STATE

 Global Id:
 T0605902479

 Latitude:
 33.6438587

 Longitude:
 -117.6708312

 Case Type:
 Not reported

Status: Completed - Case Closed

Status Date: 08/31/2006
Lead Agency: Not reported
Case Worker: KL

Local Agency:Not reportedRB Case Number:9UT2436LOC Case Number:Not reportedFile Location:Local Agency

Potential Media Affect: Other Groundwater (uses other than drinking water)

Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605902479

Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP

Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA
Email: klambert@ochca.com
Phone Number: 7144336261

Global Id: T0605902479

Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP

Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Status History:

Global Id: T0605902479

Status: Completed - Case Closed

Status Date: 08/31/2006

Global Id: T0605902479

Status: Open - Case Begin Date

Status Date: 01/01/1993

Global Id: T0605902479
Status: Open - Remediation

Status Date: 01/10/1997

Global Id: T0605902479

Map ID MAP FINDINGS
Direction

Distance Elevation Site

Site Database(s) EPA ID Number

UNOCAL #4966 (Continued) U003942662

Status: Open - Verification Monitoring

Status Date: 01/10/2005

Regulatory Activities:

 Global Id:
 T0605902479

 Action Type:
 Other

 Date:
 01/01/1993

 Action:
 Leak Began

 Global Id:
 T0605902479

 Action Type:
 ENFORCEMENT

 Date:
 08/31/2006

Action: Closure/No Further Action Letter

 Global Id:
 T0605902479

 Action Type:
 Other

 Date:
 03/10/1993

 Action:
 Leak Reported

 Global Id:
 T0605902479

 Action Type:
 Other

 Date:
 03/08/1993

 Action:
 Leak Discovery

 Global Id:
 T0605902479

 Action Type:
 ENFORCEMENT

 Date:
 06/20/2006

 Action:
 Staff Letter

 Global Id:
 T0605902479

 Action Type:
 ENFORCEMENT

 Date:
 08/10/2005

 Action:
 Staff Letter

 Global Id:
 T0605902479

 Action Type:
 ENFORCEMENT

 Date:
 08/31/2006

Action: Closure/No Further Action Letter

 Global Id:
 T0605902479

 Action Type:
 ENFORCEMENT

 Date:
 01/24/2006

 Action:
 Staff Letter

 Global Id:
 T0605902479

 Action Type:
 ENFORCEMENT

 Date:
 10/06/2003

 Action:
 Staff Letter

 Global Id:
 T0605902479

 Action Type:
 ENFORCEMENT

 Date:
 06/29/2005

 Action:
 Staff Letter

 Global Id:
 T0605902479

 Action Type:
 REMEDIATION

 Date:
 04/01/2001

Direction Distance

Elevation Site Database(s) **EPA ID Number**

UNOCAL #4966 (Continued) U003942662

Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605902479 REMEDIATION Action Type: Date: 05/01/1994

Action: Free Product Removal

Global Id: T0605902479 REMEDIATION Action Type: Date: 01/10/1997

Soil Vapor Extraction (SVE) Action:

ORANGE CO. LUST:

ORANGE Region: Facility Id: 93LJT020

Current Status: Certification (Case Closed)

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: 08/31/2006 Other Ground Water Case Type:

Record ID: RO0001384

UST:

Facility ID: 4641

Permitting Agency: **ORANGE COUNTY**

Latitude: 33.61837 Longitude: -117.70307

Q91 THE SHOPS AT LAKE FOREST SHOPPING CENTER SLIC S109277262 N/A

East 24312-24422 ROCKFIELD BOULEVARD

1/4-1/2 0.403 mi.

LAKE FOREST, CA 92630

Site 1 of 4 in cluster Q 2129 ft.

Relative:

Higher Region: STATE

Facility Status: Open - Remediation Actual: Status Date: 01/14/2013 385 ft. Global Id: SL208213876

> Lead Agency: SANTA ANA RWQCB (REGION 8)

Lead Agency Case Number: Not reported 33.6154703240445 Latitude: Longitude: -117.70490437746 Case Type: Cleanup Program Site

Case Worker: ANA

Not reported Local Agency: RB Case Number: SL208213876 File Location: Regional Board Potential Media Affected: Not reported Potential Contaminants of Concern: Not reported

The Site is in the Orange County Groundwater Management Zone of the Site History:

> Santa Ana River Watershed. The Site is a former dry cleaner located in a shopping center on the southeast corner of El Toro Road and Rockfield Boulevard in Lake Forest, approximately 700 feet to the north of Interstate 5 Freeway (the freeway). The shopping center was developed in the late 1960s and early 1970s. The dry cleaner location was operational since the completion of the shopping center until

Map ID Direction Distance Elevation MAP FINDINGS

Site

Database(s)

EDR ID Number EPA ID Number

THE SHOPS AT LAKE FOREST SHOPPING CENTER (Continued)

S109277262

February 2007. The former dry cleaning facility is currently vacant. Several subsurface investigations were performed at the Site between 1991 and 1998. Chlorinated volatile organic compounds (VOCs), including tetrachloroethylene (PCE), trichloroethylene (TCE), 1,2-dichloroethylene (DCE), 1,1-DCE, and 1,2-dichloroethane (DCA) have been detected as a result of this release. However, PCE was the primary contaminant that was encountered in the soil and groundwater at the Site. Groundwater monitoring wells MW-1A, MW-2, MW-3, and MW-6 and deep monitoring wells DMW-1, DMW-2, and DMW-3 were installed in the parking lot just to the south of the dry cleaner building. Two additional wells, MW-4 (shallow) and MW-103 (deep) were also installed on the southern edge of the shopping center prior to 1999. Additional monitoring wells MW-7 through MW-12 and MW-14 were installed in the vegetation covered areas next to the entrance and exit ramps for the freeway. One monitoring well, MW-13, was installed to the south of the freeway as a downgradient well to monitor the migration of the groundwater plume in that area. The highest PCE concentration detected in the groundwater was in monitoring well MW-1A at 40,000 micrograms per liter (a%g/L) in February 1997. MW-1A is located approximately 20 feet to the south of the former dry cleaning building. From March 2000 to June 2004, ENVIRON operated a 2-PHASE extraction system at the Site to treat impacted soil and groundwater. A horizontal vapor extraction well was extended from the parking lot under the dry cleaning facility to improve soil vapor recovery in that area. Pneumatic fracturing of the soil around well SVE-1 was also applied, to enhance the recovery of soil gas from that well. Approximately 224 million cubic feet of vapor were treated, and 704 pounds of VOCs were removed. A pilot test for injection of sodium permanganate was conducted in August 2005, and a full-scale injection was conducted in February 2007. A total of 31,700 gallons of 10% sodium permanganate solution was injected into soil and groundwater at 32 injection points at on and off-site locations. Depth to groundwater in the onsite wells is in the range of 12.50 and 13.50 feet below ground surface (bgs). Groundwater appears to flow towards the west to southwest with an onsite gradient of 0.004 foot/foot. In April 2009, RB agreed to a reduction of groundwater monitoring frequency from quarterly to semi-annual. PCE concentration is some of the on-site and downgradient wells have shown considerable rebound from their values immediately after the implementation of ISCO. In August 2009 CPT and groundwater sampling was conducted in the off-site downgradient area located to the South of I-5 Freeway. Low concentrations of PCE was detected in the shallow groundwater. Sampling results from September 2009 groundwater monitoring showed higher concentrations of PCE in some of the on-site wells located immediately downgradient of the source area. This provided evidence that a) ISCO does not provide a long-term and permanent solution for the groundwater issue and b) residual concentrations of PCE in soil are still contributing to the groundwater contamination. Additional soil and soil gas sampling was conducted in March 2010 at the source area. A RAP was submitted in December 2011 and commented on in Janaury 2012. Soil excavation in the source area was proposed in the

Click here to access the California GeoTracker records for this facility:

Direction Distance

Elevation Site Database(s) EPA ID Number

P92 TEXACO LUST S100934589
ENE 23751 EL TORO N/A

1/4-1/2 LAKE FOREST, CA 92630

0.407 mi.

2149 ft. Site 2 of 3 in cluster P

Relative: LUST:

 Higher
 Region:
 STATE

 Global Id:
 T0605986985

 Actual:
 Latitude:
 33.617528403

 391 ft.
 Longitude:
 -117.704743511

 Case Type:
 Not reported

Status: Completed - Case Closed

Status Date: 01/10/2013
Lead Agency: Not reported
Case Worker: KL

Local Agency: Not reported RB Case Number: Not reported LOC Case Number: Not reported File Location: Local Agency

Potential Media Affect: Aquifer used for drinking water supply

Potential Contaminants of Concern: Gasoline

Site History: Please refer to recent Site Documents or Monitoring Reports in

GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports

submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605986985

Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP

Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA Email: SANTA ANA klambert@ochca.com

Phone Number: 7144336261

Status History:

Global Id: T0605986985

Status: Completed - Case Closed

Status Date: 01/10/2013

Global Id: T0605986985

Status: Open - Case Begin Date

Status Date: 04/24/2003

Global Id: T0605986985

Status: Open - Eligible for Closure

Status Date: 01/10/2013

Global Id: T0605986985

Status: Open - Site Assessment

Status Date: 04/24/2003

Global Id: T0605986985

Status: Open - Site Assessment

Status Date: 03/22/2004

EDR ID Number

Direction Distance

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

TEXACO (Continued) S100934589

Regulatory Activities:

Global Id: T0605986985 Action Type: **ENFORCEMENT** Date: 11/17/2011

Action: File Review - Closure

T0605986985 Global Id: **ENFORCEMENT** Action Type: Date: 12/30/1899 Action: Staff Letter

Global Id: T0605986985 Action Type: **ENFORCEMENT** Date: 01/17/2013

Action: Notification - Public Notice of Case Closure

Global Id: T0605986985 Action Type: **ENFORCEMENT** Date: 05/17/2013

Action: LOP Case Closure Summary to RB

Global Id: T0605986985 Action Type: **ENFORCEMENT** Date: 01/17/2013

Notification - Public Notice of Case Closure Action:

Global Id: T0605986985 Action Type: **ENFORCEMENT** Date: 01/17/2013

Notification - Public Notice of Case Closure Action:

Global Id: T0605986985 Action Type: **ENFORCEMENT** Date: 01/17/2013

Notification - Public Notice of Case Closure Action:

Global Id: T0605986985 Action Type: **ENFORCEMENT** 01/17/2013 Date:

Notification - Public Notice of Case Closure Action:

Global Id: T0605986985 Action Type: **ENFORCEMENT** Date: 01/17/2013

Action: Notification - Public Notice of Case Closure

Global Id: T0605986985 Action Type: Other 04/28/2003 Date: Action: Leak Reported

Global Id: T0605986985 **ENFORCEMENT** Action Type: 01/20/2011 Date: Action: File review

Global Id: T0605986985

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

TEXACO (Continued) S100934589

Action Type: Other
Date: 04/24/2003
Action: Leak Discovery

 Global Id:
 T0605986985

 Action Type:
 ENFORCEMENT

 Date:
 05/13/2003

Action: * Corrective Action Orders

 Global Id:
 T0605986985

 Action Type:
 ENFORCEMENT

 Date:
 05/13/2003

Action: Notice of Responsibility

 Global Id:
 T0605986985

 Action Type:
 ENFORCEMENT

 Date:
 01/03/2006

 Action:
 Staff Letter

 Global Id:
 T0605986985

 Action Type:
 ENFORCEMENT

 Date:
 03/16/2007

 Action:
 Staff Letter

 Global Id:
 T0605986985

 Action Type:
 ENFORCEMENT

 Date:
 01/24/2007

 Action:
 Staff Letter

 Global Id:
 T0605986985

 Action Type:
 ENFORCEMENT

 Date:
 12/11/2006

 Action:
 Staff Letter

 Global Id:
 T0605986985

 Action Type:
 ENFORCEMENT

 Date:
 02/26/2007

 Action:
 Staff Letter

 Global Id:
 T0605986985

 Action Type:
 ENFORCEMENT

 Date:
 08/21/2003

 Action:
 Staff Letter

 Global Id:
 T0605986985

 Action Type:
 ENFORCEMENT

 Date:
 07/14/2009

 Action:
 Staff Letter

 Global Id:
 T0605986985

 Action Type:
 RESPONSE

 Date:
 08/18/2003

Action: Soil and Water Investigation Workplan

 Global Id:
 T0605986985

 Action Type:
 RESPONSE

 Date:
 06/02/2003

Direction Distance

Elevation Site Database(s) EPA ID Number

TEXACO (Continued) S100934589

Action: Other Report / Document

 Global Id:
 T0605986985

 Action Type:
 RESPONSE

 Date:
 12/08/2003

Action: Soil and Water Investigation Report

 Global Id:
 T0605986985

 Action Type:
 ENFORCEMENT

 Date:
 10/24/2012

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0605986985

 Action Type:
 ENFORCEMENT

 Date:
 05/17/2013

Action: Closure/No Further Action Letter

 Global Id:
 T0605986985

 Action Type:
 ENFORCEMENT

 Date:
 03/25/2013

Action: Notification - Preclosure

 Region:
 STATE

 Global Id:
 T0605900581

 Latitude:
 33.6178674

 Longitude:
 -117.7040457

 Case Type:
 Not reported

Status: Completed - Case Closed

Status Date: 05/06/1991 Lead Agency: Not reported

Case Worker: KL

Local Agency:Not reportedRB Case Number:083000732TLOC Case Number:Not reportedFile Location:Local Agency

Potential Media Affect: Soil

Potential Contaminants of Concern: Gasoline, Waste Oil / Motor / Hydraulic / Lubricating

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605900581

Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120

City: SANTA ANA
Email: jstrozier@ochca.com

Phone Number: 7144336273

Global Id: T0605900581

Contact Type: Regional Board Caseworker

Contact Name: ROSE SCOTT

Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500

City: RIVERSIDE

EDR ID Number

Direction Distance

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

TEXACO (Continued) S100934589

Email: rscott@waterboards.ca.gov

9513206375 Phone Number:

Global Id: T0605900581

Contact Type: Local Agency Caseworker Contact Name: **KEVIN LAMBERT** Organization Name: ORANGE COUNTY LOP Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA

Email: klambert@ochca.com

Phone Number: 7144336261

Status History:

T0605900581 Global Id:

Status: Completed - Case Closed

05/06/1991 Status Date:

Global Id: T0605900581

Status: Open - Case Begin Date

11/13/1986 Status Date:

Regulatory Activities:

T0605900581 Global Id: Action Type: Other Date: 11/13/1986 Action: Leak Reported

T0605900581 Global Id: **ENFORCEMENT** Action Type: Date: 05/01/1991

Action: Closure/No Further Action Letter

Global Id: T0605900581 Action Type: Other 11/13/1986 Date: Action: Leak Discovery

Global Id: T0605900581 Action Type: REMEDIATION Date: 05/19/1989

Other (Use Description Field) Action:

ORANGE CO. LUST:

Region: **ORANGE** Facility Id: 86UT218

Current Status: Certification (Case Closed)

Released Substance: Regular gasoline 05/06/1991 Date Closed: Case Type: Soil Only Record ID: RO0001124

ORANGE Region: Facility Id: 86UT218

Current Status: Certification (Case Closed)

Released Substance: Waste oil/Used oil

Direction Distance

Elevation Site Database(s) EPA ID Number

TEXACO (Continued) S100934589

Date Closed: 05/06/1991 Case Type: Soil Only Record ID: RO0001124

Region: ORANGE Facility Id: 86UT218

Current Status: Certification (Case Closed)

Released Substance: Unleaded gasoline
Date Closed: 05/06/1991
Case Type: Soil Only
Record ID: RO0001124

Region: ORANGE Facility Id: 03UT020

Current Status: Certification (Case Closed)

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: 05/17/2013 Case Type: Other Ground Water

Record ID: RO0003195

LUST REG 8:

Region: 8 County: Orange

Regional Board:

Facility Status:

Case Closed
Case Number:

Local Case Num:

Case Type:

Soil only
Substance:

Santa Ana Region
Case Closed
083000732T
86UT218
Soil only
12031,12032,

Qty Leaked: 0

Abate Method: Not reported Cross Street: Not reported Enf Type: Not reported Funding: Not reported How Discovered: Tank Closure How Stopped: Close Tank Leak Cause: Unknown Leak Source: Unknown T0605900581 Global ID: 9/9/9999 How Stopped Date: Enter Date: Not reported Date Confirmation of Leak Began: Not reported Date Preliminary Assessment Began: Not reported 11/13/1986 Discover Date: Enforcement Date: Not reported Close Date: 5/6/1991 Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: Not reported Date Remediation Plan Submitted: Not reported Date Remedial Action Underway: Not reported Date Post Remedial Action Monitoring: Not reported Enter Date: Not reported GW Qualifies: Not reported Soil Qualifies: Not reported Operator: Not reported Facility Contact: Not reported Interim: Not reported

EDR ID Number

Direction Distance

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

TEXACO (Continued) S100934589

Oversite Program: LUST 33.6173178 Latitude: Longitude: -117.7049153 MTBE Date: Not reported Max MTBE GW: Not reported

MTBE Concentration:

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: Not Required to be Tested.

MTBE Class: RS Staff: Staff Initials: JS

Local Agency Lead Agency: Local Agency: 30000L Hydr Basin #: Not reported Beneficial: MUN Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported

Summary: Not reported

P93 **TEXACO SERVICE STATION** HIST CORTESE \$103644816 N/A

23751 EL TORO

ENE EL TORO, CA 92630 1/4-1/2

0.409 mi.

2161 ft. Site 3 of 3 in cluster P

HIST CORTESE: Relative:

CORTESE Region: Higher 30

Facility County Code: Actual: Reg By: **LTNKA** 391 ft. 083000732T Reg Id:

HIST CORTESE \$105022425

FACILITY 4110-1 94

NW 23332 PERALTA

1/4-1/2 , CA 92653 0.415 mi.

2193 ft.

HIST CORTESE: Relative:

CORTESE Region: Lower

Facility County Code: 30 Actual: Reg By: **LTNKA** 297 ft. Reg Id: 3035

N/A

Direction Distance

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

Q95 **ARCO #3013** LUST U003713764 **ENE**

23742 EL TORO RD UST N/A

SWEEPS UST 1/4-1/2 LAKE FOREST, CA 92630

0.422 mi.

Actual:

390 ft.

2227 ft. Site 2 of 4 in cluster Q

LUST: Relative:

STATE Higher Region:

Global Id: T0605901431 Latitude: 33.6170434666666 Longitude: -117.7042993

Case Type: Not reported

Status: Open - Site Assessment

Status Date: 10/27/2014 Lead Agency: Not reported

Case Worker: ΚL

Local Agency: Not reported RB Case Number: 083001923T LOC Case Number: Not reported File Location: Local Agency

Potential Media Affect: Aquifer used for drinking water supply

Potential Contaminants of Concern: Gasoline

Site History: Please refer to recent Site Documents or Monitoring Reports in

GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports

submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0605901431

Contact Type: Regional Board Caseworker VALERIE JAHN-BULL Contact Name:

Organization Name: SANTA ANA RWQCB (REGION 8) Address: 3737 MAIN STREET, SUITE 500

City: **RIVERSIDE**

Email: vjahn-bull@waterboards.ca.gov

Phone Number: 9517824903

Global Id: T0605901431

Contact Type: Local Agency Caseworker Contact Name: **KEVIN LAMBERT** Organization Name: ORANGE COUNTY LOP

Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA

Email: klambert@ochca.com

Phone Number: 7144336261

Status History:

T0605901431 Global Id:

Status: Open - Case Begin Date

Status Date: 05/01/1991

Global Id: T0605901431 Status: Open - Remediation

Status Date: 09/25/1996

Global Id: T0605901431

Status: Open - Site Assessment

Direction Distance

Elevation Site Database(s) EPA ID Number

ARCO #3013 (Continued) U003713764

Status Date: 10/27/2014

Global Id: T0605901431

Status: Open - Verification Monitoring

Status Date: 08/01/2004

Regulatory Activities:

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 01/26/2012

 Action:
 File review

Global Id: T0605901431
Action Type: ENFORCEMENT
Date: 01/25/2011

Action: Notification - Public Notice of ROD/RAP/CAP

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 10/27/2014

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 08/13/2013

Action: Notice of Responsibility

 Global Id:
 T0605901431

 Action Type:
 Other

 Date:
 09/23/1991

 Action:
 Leak Reported

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 04/21/2009

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 09/21/2009

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 02/08/2011

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 RESPONSE

 Date:
 12/27/2012

Action: Request for Closure - Regulator Responded

 Global Id:
 T0605901431

 Action Type:
 Other

 Date:
 05/01/1991

 Action:
 Leak Discovery

EDR ID Number

Distance Elevation

ion Site Database(s) EPA ID Number

ARCO #3013 (Continued) U003713764

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 10/06/2004

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 02/03/2006

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 01/29/2007

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 01/18/2007

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 06/29/2007

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 08/21/2007

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 06/24/2009

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 07/14/2009

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 04/05/2010

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 ENFORCEMENT

 Date:
 01/02/2013

 Action:
 Staff Letter

 Global Id:
 T0605901431

 Action Type:
 REMEDIATION

 Date:
 12/12/1991

Action: Free Product Removal

Global Id: T0605901431
Action Type: REMEDIATION

EDR ID Number

Direction Distance

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

ARCO #3013 (Continued) U003713764

Date: 09/25/1996

Soil Vapor Extraction (SVE) Action:

ORANGE CO. LUST:

Region: **ORANGE** Facility Id: 91UT105

Current Status: Post Remedial Action

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: Not reported Case Type: Other Ground Water Record ID: RO0002116

LUST REG 8:

Region: 8 Orange County:

Regional Board: Santa Ana Region

Facility Status: Remedial action (cleanup) Underway

Case Number: 083001923T Local Case Num: 91UT105

Case Type: Other ground water affected

Substance: Gasoline Qty Leaked: 0

Abate Method: Not reported Cross Street: Not reported Enf Type: Not reported Funding: Not reported

How Discovered: SA

How Stopped: Other Means Leak Cause: Unknown Leak Source: Unknown Global ID: T0605901431 How Stopped Date: 9/9/9999 Enter Date: Not reported Not reported Date Confirmation of Leak Began: Date Preliminary Assessment Began: Not reported Discover Date: 5/1/1991 **Enforcement Date:** Not reported Close Date: Not reported Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: Not reported Date Remediation Plan Submitted: Not reported 9/25/1996 Date Remedial Action Underway: Date Post Remedial Action Monitoring: Not reported Enter Date: Not reported **GW Qualifies:**

Soil Qualifies: Not reported Operator: Not reported Facility Contact: Not reported Interim: Not reported Oversite Program: LUST 33.6172268 Latitude: Longitude: -117.7046493 MTBE Date: 11/15/2001 Max MTBE GW: 6800 MTBE Concentration: 0

Direction Distance

Elevation Site Database(s) EPA ID Number

ARCO #3013 (Continued) U003713764

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected

MTBE Class: *
Staff: VJJ
Staff Initials: JS

Lead Agency:Local AgencyLocal Agency:30000LHydr Basin #:Not reportedBeneficial:MUNPriority:Not reportedCleanup Fund Id:Not reportedWork Suspended:Not reported

Summary: Not reported

UST:

Facility ID: 4455

Permitting Agency: ORANGE COUNTY

Latitude: 33.61795 Longitude: -117.70358

SWEEPS UST:

Status: Active Comp Number: 4455 Number: 9

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-004455-000001

Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P

Content: LEADED

Number Of Tanks: 5

Status: Active
Comp Number: 4455
Number: 9

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-004455-000002

Not reported

Tank Status:
Capacity:
6000
Active Date:
Not reported
Tank Use:
M.V. FUEL
STG:
P
Content:
LEADED

Number Of Tanks:

EDR ID Number

Direction
Distance

Elevation Site Database(s) EPA ID Number

ARCO #3013 (Continued)

U003713764

EDR ID Number

Status: Active Comp Number: 4455 Number: 9

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-004455-000003

Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL

STG: P

Content: REG UNLEADED Number Of Tanks: Not reported

Status: Active Comp Number: 4455 Number: 9

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-004455-000004

Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL

STG: P

Content: REG UNLEADED Number Of Tanks: Not reported

Status: Active
Comp Number: 4455
Number: 9

Board Of Equalization: Not reported Referral Date: 09-30-92 Action Date: 09-15-92 Created Date: 02-29-88 Owner Tank Id: Not reported

SWRCB Tank Id: 30-000-004455-000005

Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL

STG:

Content: REG UNLEADED Number Of Tanks: Not reported

Direction **EDR ID Number** Distance Elevation Site Database(s) **EPA ID Number**

Q96 ARCO #3013 HIST CORTESE U003432748 **ENE** 23742

N/A

LUST

UST

N/A

U003937162

N/A

1/4-1/2 LAKE FOREST, CA 92630

0.422 mi.

2227 ft. Site 3 of 4 in cluster Q

HIST CORTESE: Relative:

CORTESE Higher Region: Facility County Code: 30 Actual: Reg By: **LTNKA** 390 ft. 083001923T Reg Id:

Q97 THE SHOPS AT LAKE FOREST SLIC S108985894

East 24336 ROCKFIELD 1/4-1/2 LAGUNA HILLS, CA

0.426 mi.

2251 ft. Site 4 of 4 in cluster Q

Relative:

SLIC REG 8:

Type: Soil and Groundwater Higher

Facility Status: Post-Investigation/Remediation Monitoring

Actual: **WDM** Staff: 381 ft. Substance: PCE

> Lead Agency: Regional Board Location Code: Not reported Not reported Thomas Bros Code:

STATE

98 **RA MOULTON GAS & MARKET INC** wsw 24181 MOULTON PKWY

1/4-1/2 0.455 mi. 2404 ft.

LAGUNA WOODS, CA 92637

LUST: Relative: Region: Higher

Global Id: T060594895 Actual: Latitude: 33.6101516666667 415 ft. Longitude: -117.725820333332 Case Type: Not reported Open - Remediation Status:

01/12/2009 Status Date: Lead Agency: Not reported

Case Worker: KL

Local Agency: Not reported 083003840T RB Case Number: LOC Case Number: Not reported File Location: Local Agency

Potential Media Affect: Aquifer used for drinking water supply

Potential Contaminants of Concern: Gasoline

Site History: Please refer to recent Site Documents or Monitoring Reports in

> GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports

submitted by consultants for the responsible party.

Click here to access the California GeoTracker records for this facility:

Contact:

T060594895 Global Id:

Contact Type: Local Agency Caseworker

Direction Distance

Elevation Site Database(s) EPA ID Number

RA MOULTON GAS & MARKET INC (Continued)

U003937162

EDR ID Number

Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP
Address: 1241 E DYER ROAD SUITE 120

City: SANTA ANA

Email: klambert@ochca.com

Phone Number: 7144336261

Global Id: T060594895

Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL

Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500

City: RIVERSIDE

Email: vjahn-bull@waterboards.ca.gov

Phone Number: 9517824903

Status History:

Global Id: T060594895

Status: Open - Case Begin Date

Status Date: 11/09/2000

Global Id: T060594895
Status: Open - Remediation

Status Date: 01/12/2009

Global Id: T060594895

Status: Open - Site Assessment

Status Date: 11/09/2000

Global Id: T060594895

Status: Open - Site Assessment

Status Date: 06/22/2001

Regulatory Activities:

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 03/19/2004

 Action:
 Staff Letter

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 01/24/2007

 Action:
 Staff Letter

 Global Id:
 T060594895

 Action Type:
 RESPONSE

 Date:
 04/05/2004

Action: Other Report / Document

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 03/30/2015

 Action:
 File review

Global Id: T060594895 Action Type: Other

Direction Distance

Elevation Site Database(s) EPA ID Number

RA MOULTON GAS & MARKET INC (Continued)

U003937162

EDR ID Number

Date: 10/10/1965 Action: Leak Began

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 01/03/2012

 Action:
 File review

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 01/06/2011

 Action:
 File review

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 06/09/2004

 Action:
 Staff Letter

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 10/03/2005

 Action:
 Staff Letter

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 10/10/2006

 Action:
 Staff Letter

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 05/30/2007

 Action:
 Staff Letter

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 03/25/2008

 Action:
 Staff Letter

 Global Id:
 T060594895

 Action Type:
 Other

 Date:
 01/16/2001

 Action:
 Leak Reported

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 07/16/2013

Action: Notice of Responsibility

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 01/12/2009

 Action:
 Staff Letter

 Global Id:
 T060594895

 Action Type:
 Other

 Date:
 11/09/2000

 Action:
 Leak Discovery

Direction Distance

Elevation Site Database(s) EPA ID Number

RA MOULTON GAS & MARKET INC (Continued)

U003937162

EDR ID Number

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 07/14/2009

 Action:
 Staff Letter

 Global Id:
 T060594895

 Action Type:
 ENFORCEMENT

 Date:
 07/14/2009

 Action:
 Staff Letter

ORANGE CO. LUST:

Region: ORANGE Facility Id: 01UT001 Current Status: Not reported

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: Not reported
Case Type: Other Ground Water
Record ID: RO0002073

LUST REG 8:

Region: 8

County: Orange Regional Board: Santa A

Regional Board: Santa Ana Region
Facility Status: Pollution Characterization

Case Number: 083003840T Local Case Num: 01UT001

Case Type: Other ground water affected

Substance: Gasoline Qty Leaked: 0

Abate Method:

Cross Street:

Enf Type:

Not reported

Not reported

SEL

Funding: Not reported

How Discovered: UM
How Stopped: Other Means

Leak Cause: Unknown Leak Source: Piping T060594895 Global ID: How Stopped Date: 9/9/9999 Not reported Enter Date: Date Confirmation of Leak Began: Not reported 11/9/2000 Date Preliminary Assessment Began: Discover Date: 11/9/2000 **Enforcement Date:** Not reported Close Date: Not reported Date Prelim Assessment Workplan Submitted: Not reported Date Pollution Characterization Began: 6/22/2001 Date Remediation Plan Submitted: Not reported Not reported Date Remedial Action Underway: Date Post Remedial Action Monitoring: Not reported Enter Date: Not reported

GW Qualifies: = Soil Qualifies: = =

Operator: Not reported Facility Contact: Not reported

Direction Distance

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

RA MOULTON GAS & MARKET INC (Continued)

U003937162

Interim: Not reported LUST Oversite Program: 33.610735 Latitude: Longitude: -117.726387 MTBE Date: 4/19/2004 Max MTBE GW: 31000 MTBE Concentration: 0 Max MTBE Soil: .78 MTBE Fuel:

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected

MTBE Class: VJJ Staff: Staff Initials: JS

Lead Agency: Local Agency Local Agency: 30000L Hydr Basin #: Not reported Beneficial: MUN Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported

Summary: Not reported

UST:

13228 Facility ID:

Permitting Agency: **ORANGE COUNTY**

Latitude: 33.611561 -117.724743 Longitude:

ORANGE CO. UST:

FA0061225 Facility ID:

SILVER DRY CLEANERS RCRA-SQG 1000820064 23684 EL TORO RD STE S SLIC CAD983660879

1/4-1/2 LAKE FOREST, CA 92630 Orange Co. Industrial Site 0.480 mi. **FINDS**

Site 1 of 2 in cluster R 2532 ft.

RCRA-SQG: Relative:

R99

ENE

Date form received by agency: 12/21/1993 Higher

Facility name: SILVER DRY CLEANERS Actual: Facility address: 23684 EL TORO RD STE S 396 ft.

LAKE FOREST, CA 92630 EPA ID: CAD983660879

Mailing address: EL TORO RD STE S LAKE FOREST, CA 92630

Contact: LORENZO NICASIO Contact address: 23684 EL TORO RD STE S

LAKE FOREST, CA 92630

Contact country: US

Contact telephone: (714) 859-4337 Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

> waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

Distance

Elevation Site Database(s) EPA ID Number

SILVER DRY CLEANERS (Continued)

1000820064

EDR ID Number

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LORENZO NICASIO
Owner/operator address: 23684 EL TORO RD
LAKE FOREST, CA 92630

Owner/operator country: Not reported
Owner/operator telephone: (714) 859-4337
Legal status: Private

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: Nο Used oil fuel marketer to burner: Nο Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

SLIC:

Region: STATE

Facility Status: Open - Site Assessment

 Status Date:
 06/02/2009

 Global Id:
 \$L0605942036

Lead Agency: SANTA ANA RWQCB (REGION 8)

Lead Agency Case Number:

Not reported
33.6180591063786
Longitude:
-117.70144701004
Case Type:
Cleanup Program Site

Case Worker: TCE
Local Agency: Not reported

PR Case Number: Not reported

RB Case Number: Not reported File Location: Regional Board

Potential Media Affected: Aquifer used for drinking water supply, Other Groundwater (uses other

than drinking water)

Potential Contaminants of Concern: Tetrachloroethylene (PCE)

Site History: The former Silver Dry Cleaners, which operated for 16 years

(1982-1998), was located in Suite "S" (or Suite 698) of the former

Saddleback Valley Plaza. Chlorinated solvents, primarily

tetrachloroethylene (PCE), were first identified in soil by Hemphill, Green & Associates, LLC (HGA) in November 1999. Soil vapor sampling results from HGA's investigation indicated that PCE was present at concentrations up to 13,000 micrograms per liter (a%g/l) at 2 feet below ground surface (bgs), and 5,700 a%g/l at 5 feet bgs, beneath

Map ID MAP FINDINGS
Direction

Distance
Elevation Site

Database(s)

EDR ID Number EPA ID Number

SILVER DRY CLEANERS (Continued)

1000820064

the former dry cleaner space. No other volatile organic compounds (VOCs) were detected in the soil vapor samples. Between September 2002 and late 2003, several additional soil and groundwater investigations were conducted in the vicinity of the Site. The bulk of the PCE contamination in both the vadose and saturated zones was centered on the location of the former dry cleaners. The investigations consisted of soil and groundwater sampling from borings that were advanced to depths ranging from 26 to 49 feet bgs. The maximum PCE concentration found in the soil was 370 IJg/kg. The highest concentration of PCE in groundwater was 4,100 !Jg/L (geoprobe location GP-7), found in the footprint of the former dry cleaning facility, while the second highest concentration of PCE in groundwater was detected in a boring located 120 feet east of the tenant cluster (1,000 IJg/L at GP-11). In 2005, under the oversight of staff from the Orange County Health Care Agency (OCHCA), England Geoscience (EG) conducted a source area excavation at the Site. Approximately 598 cubic yards of soil were removed by successive excavations, in accordance with the OCHCA- approved cleanup goal of 50 a%g/kg of PCE. At the completion of the major excavation phase, EG reported that the remedial excavation had succeeded in removing all of the PCE-impacted soil that had been identified at the Site, with the exception of one small, visibly discolored area on the western wall (at 7 feet bgs) of the deepest northwestern portion of the excavation. This residual PCE-impacted soil, which was identified by a sample containing 91 a%g/kg PCE, was estimated by EG to have a volume of less than 20 cubic feet. Following the remedial excavation, concentrations of PCE in groundwater in the vicinity of GP-7 dropped from a historical maximum of 4,100 a%g/L (GP-7, 2004) to 44 a%g/L (monitoring well MW-1, 2012), a greater than 99% reduction. PCE concentrations in the vicinity of GP-11, however, dropped from a maximum of 1,000 a%g/L (GP-11, 2004) to 280 a%g/L (MW-3, 4012), only a 70% reduction. On June 5, 2013, Regional Board staff request additional investigation of soil and groundwater in the vicinity of GP-11 and the area between the former dry cleaners and MW-3. We also requested that you investigate the potential existence of a secondary contaminant source zone. In response, the Supplemental Soil and Groundwater Investigation was conducted to further delineate the extent of soil and groundwater contamination in that area in June 2013. In the September 2013 report, we found the following elements of the report noteworthy: There is an apparent trend of increasing PCE concentrations in groundwater in the southeastern portion of the Site that may indicate that the plume is migrating offsite. Elevated concentrations of PCE (240 a%g/L) were detected in grab groundwater samples at location GW-30, which is approximately 120 feet cross-gradient of the former dry cleaners, and approximately 60 feet from the Site's eastern property boundary, and a concentration of 150 a%g/L was detected directly between the former dry cleaners and MW-3. PCE was detected in a soil sample collected from the borehole at sampling location GW-29. Delineation of the plume in the south and southeastern portion of the Site is the current focus of investigation at the Site.

Click here to access the California GeoTracker records for this facility:

Orange Co. Industrial Site:

Case ID: 05IC001 Region: ORANGE

Direction Distance

Elevation Site Database(s) **EPA ID Number**

SILVER DRY CLEANERS (Continued)

Record ID: RO0003327 **Current Status:** CLOSED 6/16/2005 Closure Type: Closure certification issued

Released Chemical: PERCHLOROETHYLENE; TRICHLOROETHYLENE

FINDS:

110002893735 Registry ID:

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

R100 SADDLEBACK VALLEY PLAZA SLIC S107504399 N/A

ENE 23684 EL TORO ROAD - SUITE S

1/4-1/2 LAKE FOREST, CA

0.480 mi.

2532 ft. Site 2 of 2 in cluster R

SLIC REG 8: Relative:

Type: Soil and Groundwater Higher

Facility Status: Additional Characterization Underway Actual:

WDM Staff: 396 ft. Substance: PCE

Local Agency Lead Agency: Location Code: Not reported Thomas Bros Code: Not reported

ENVIROSTOR 101 PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE) S111120529 VCP N/A

ENE 23512-23532 EL TORO ROAD 1/2-1 LAKE FOREST, CA 92630

0.825 mi. 4354 ft.

Higher

ENVIROSTOR: Relative:

Facility ID: 60001482

Status: Refer: Local Agency

Actual: Status Date: 02/27/2013 400 ft. Site Code: 401582

Voluntary Cleanup Site Type: Site Type Detailed: Voluntary Cleanup

Acres: 0.25 NPL: NO Regulatory Agencies: **SMBRP SMBRP** Lead Agency: Program Manager: Aslam Shareef Supervisor: Shahir Haddad

Division Branch: Southern California Schools & Brownfields Outreach

Assembly: 68 Senate: 37

Special Program: Voluntary Cleanup Program **EDR ID Number**

1000820064

Direction Distance

Elevation Site Database(s) EPA ID Number

PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE) (Continued)

S111120529

EDR ID Number

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Responsible Party Latitude: 33.62086 Longitude: -117.6986

APN: NONE SPECIFIED Past Use: DRY CLEANING

Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE

Potential Description: IA, SV, UE Alias Name: 401582

Alias Type: Project Code (Site Code)

Alias Name: 60001482

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Reimbursement Agreement

Completed Date: 06/22/2011

Comments: Agreement fully executed.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Cost Recovery Closeout Memo

Completed Date: 12/08/2011

Comments: Closeout Memo sent to CRU and DTSC 1431 sent to fiscal to closeout

site code in the daily log.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 07/19/2011

Comments: DTSC determined that further investigation is necessary at the site.

Future Area Name: Not reported Not reported Future Sub Area Name: Future Document Type: Not reported Future Due Date: Not reported Not reported Schedule Area Name: Not reported Schedule Sub Area Name: Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

VCP:

Facility ID: 60001482
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED

Acres: 0.25
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

Lead Agency Description: DTSC - Site Cleanup Program

Project Manager: Aslam Shareef Supervisor: Shahir Haddad

Direction Distance

Elevation Site Database(s) EPA ID Number

PROTHERO ENTERPRISES INC. (ORANGE TREE PLAZA SITE) (Continued)

S111120529

EDR ID Number

Division Branch: Southern California Schools & Brownfields Outreach

 Site Code:
 401582

 Assembly:
 68

 Senate:
 37

Special Programs Code: Voluntary Cleanup Program Status: Refer: Local Agency

Status Date: 02/27/2013 Restricted Use: NO

Funding: Responsible Party Lat/Long: 33.62086 / -117.6986 NONE SPECIFIED APN: DRY CLEANING Past Use: Potential COC: 30022, 30027 Confirmed COC: 30022,30027 Potential Description: IA, SV, UE Alias Name: 401582

Alias Type: Project Code (Site Code)

Alias Name: 60001482

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Reimbursement Agreement

Completed Date: 06/22/2011

Comments: Agreement fully executed.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Cost Recovery Closeout Memo

Completed Date: 12/08/2011

Comments: Closeout Memo sent to CRU and DTSC 1431 sent to fiscal to closeout

site code in the daily log.

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 07/19/2011

Comments: DTSC determined that further investigation is necessary at the site.

Future Area Name: Not reported Future Sub Area Name: Not reported Future Document Type: Not reported Future Due Date: Not reported Schedule Area Name: Not reported Schedule Sub Area Name: Not reported Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported Map ID MAP FINDINGS Direction Distance **EDR ID Number** Elevation Site Database(s) **EPA ID Number**

102 Notify 65 S100178435 LOS ALISOS & SANTA ANA PKWY N/A

ESE

MISSION VIEJO, CA 90305 1/2-1

0.907 mi. 4789 ft.

NOTIFY 65: Relative:

Higher Actual:

382 ft.

Date Reported: Not reported Not reported Staff Initials: Board File Number: Not reported Facility Type: Discharge Date: Not reported Not reported

Incident Description: 90305

TC4394915.2s Page 203

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EL TORO	S105180834	USMCAS EL TORO UST 404	USMCAS EL TORO UST 404		LUST
EL TORO	S106109191	USMCAS EL TORO UST 759B	USMCAS EL TORO BLDG 759/655	92618	LUST
IRVINE	S106660969	USMCAS EL TORO TANK FARM 555	USMCAS EL TORO UST 548 & 551	92618	LUST
LAGUNA BEACH	S113104908	BEST CLEANERS	24338 EL TORO RD	92653	DRYCLEANERS, HAZNET
LAGUNA WOODS	S113473501	MOBIL #18-HKF	24362 EL TORO RD	92653	LUST

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/26/2015 Source: EPA
Date Data Arrived at EDR: 04/08/2015 Telephone: N/A

Date Made Active in Reports: 06/22/2015 Last EDR Contact: 07/09/2015

Number of Days to Update: 75 Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/26/2015 Source: EPA
Date Data Arrived at EDR: 04/08/2015 Telephone: N/A

Number of Days to Update: 75 Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Source: EPA

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 75

Source: EPA Telephone: N/A

Last EDR Contact: 07/09/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 07/10/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Varies

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA Telephone: 703-412-9810 Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. 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.

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA Telephone: 703-412-9810

Last EDR Contact: 05/29/2015 Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: Environmental Protection Agency Telephone: (415) 495-8895

Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 13

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 08/12/2015

Next Scheduled EDR Contact: 11/30/2015 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2015 Date Data Arrived at EDR: 03/17/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 06/01/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2015 Date Data Arrived at EDR: 03/17/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 06/01/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/30/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 63

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 05/04/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 05/14/2015

Number of Days to Update: 9

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 08/04/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 05/04/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 05/14/2015

Number of Days to Update: 9

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 08/04/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/18/2015 Date Data Arrived at EDR: 05/20/2015 Date Made Active in Reports: 06/05/2015

Number of Days to Update: 16

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320 Last EDR Contact: 05/20/2015

Next Scheduled EDR Contact: 08/31/2015 Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005 Date Data Arrived at EDR: 02/15/2005 Date Made Active in Reports: 03/28/2005

Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-4496 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: Varies

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003 Date Data Arrived at EDR: 05/19/2003 Date Made Active in Reports: 06/02/2003

Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-542-4786 Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004 Date Data Arrived at EDR: 02/26/2004 Date Made Active in Reports: 03/24/2004

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Telephone: 760-776-8943 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005 Date Data Arrived at EDR: 06/07/2005 Date Made Active in Reports: 06/29/2005

Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Telephone: 760-241-7365 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003 Date Data Arrived at EDR: 09/10/2003 Date Made Active in Reports: 10/07/2003

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)

Telephone: 530-542-5572 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 07/22/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-4834 Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources

Control Board's LUST database.

Date of Government Version: 03/01/2001 Date Data Arrived at EDR: 04/23/2001 Date Made Active in Reports: 05/21/2001

Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-637-5595 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004 Date Data Arrived at EDR: 10/20/2004 Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-622-2433 Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001 Date Data Arrived at EDR: 02/28/2001 Date Made Active in Reports: 03/29/2001

Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)

Telephone: 707-570-3769 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 06/15/2015 Date Data Arrived at EDR: 06/17/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 27

Source: State Water Resources Control Board Telephone: see region list Last EDR Contact: 06/17/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6710 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: No Update Planned

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015 Date Data Arrived at EDR: 01/08/2015 Date Made Active in Reports: 02/09/2015

Number of Days to Update: 32

Source: Environmental Protection Agency Telephone: 415-972-3372

Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015 Date Data Arrived at EDR: 02/12/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 29

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 24

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 48

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015 Date Data Arrived at EDR: 04/28/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 55

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 03/17/2015 Date Data Arrived at EDR: 05/01/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 52

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 10

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/03/2015 Date Data Arrived at EDR: 04/30/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 53

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 06/15/2015 Date Data Arrived at EDR: 06/17/2015

Date Made Active in Reports: 07/14/2015

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 06/17/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003 Date Data Arrived at EDR: 04/07/2003 Date Made Active in Reports: 04/25/2003

Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)

Telephone: 707-576-2220 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004 Date Data Arrived at EDR: 10/20/2004 Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-0457 Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006 Date Data Arrived at EDR: 05/18/2006 Date Made Active in Reports: 06/15/2006

Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-549-3147 Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004 Date Data Arrived at EDR: 11/18/2004 Date Made Active in Reports: 01/04/2005

Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6600 Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005 Date Data Arrived at EDR: 04/05/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-3291 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005 Date Data Arrived at EDR: 05/25/2005 Date Made Active in Reports: 06/16/2005

Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch

Telephone: 619-241-6583 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region

Telephone: 530-542-5574 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004 Date Data Arrived at EDR: 11/29/2004 Date Made Active in Reports: 01/04/2005

Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region

Telephone: 760-346-7491 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008 Date Data Arrived at EDR: 04/03/2008 Date Made Active in Reports: 04/14/2008

Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)

Telephone: 951-782-3298 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007 Date Data Arrived at EDR: 09/11/2007 Date Made Active in Reports: 09/28/2007

Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-467-2980 Last EDR Contact: 08/08/2011

Next Scheduled EDR Contact: 11/21/2011 Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 07/10/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/15/2015 Date Data Arrived at EDR: 06/17/2015 Date Made Active in Reports: 07/06/2015

Number of Days to Update: 19

Source: SWRCB Telephone: 916-341-5851 Last EDR Contact: 06/17/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009 Date Data Arrived at EDR: 09/10/2009 Date Made Active in Reports: 10/01/2009

Number of Days to Update: 21

Source: California Environmental Protection Agency

Telephone: 916-327-5092 Last EDR Contact: 07/13/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 03/17/2015 Date Data Arrived at EDR: 05/01/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 52

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014 Date Data Arrived at EDR: 11/25/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 65

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/03/2015 Date Data Arrived at EDR: 04/30/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 53

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 28

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/06/2015 Date Data Arrived at EDR: 05/19/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 34

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/26/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 27

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/30/2014 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 10

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Semi-Annually

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 48

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014 Date Data Arrived at EDR: 10/01/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 36

Last EDR Contact: 06/26/2015 Next Scheduled EDR Contact: 10/12/2015

Source: EPA, Region 1

Telephone: 617-918-1102

Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 05/04/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 05/14/2015

Number of Days to Update: 9

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 08/04/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/08/2015 Date Data Arrived at EDR: 06/09/2015 Date Made Active in Reports: 07/10/2015

Number of Days to Update: 31

Source: State Water Resources Control Board

Telephone: 916-323-7905 Last EDR Contact: 06/05/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community, Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/23/2015 Date Data Arrived at EDR: 03/24/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 70

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 06/24/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000

Number of Days to Update: 30

Source: State Water Resources Control Board

Telephone: 916-227-4448 Last EDR Contact: 08/04/2015

Next Scheduled EDR Contact: 11/23/2015 Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/15/2015 Date Data Arrived at EDR: 06/17/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 47

Source: Department of Conservation Telephone: 916-323-3836 Last EDR Contact: 06/17/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.

Date of Government Version: 05/26/2015 Date Data Arrived at EDR: 05/28/2015 Date Made Active in Reports: 06/05/2015

Number of Days to Update: 8

Source: Integrated Waste Management Board

Telephone: 916-341-6422 Last EDR Contact: 08/12/2015

Next Scheduled EDR Contact: 11/30/2015 Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 05/01/2015

Next Scheduled EDR Contact: 08/17/2015 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004 Number of Days to Update: 39 Source: Environmental Protection Agency Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 15

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005 Date Data Arrived at EDR: 08/03/2006 Date Made Active in Reports: 08/24/2006

Number of Days to Update: 21

Source: Department of Toxic Substance Control

Telephone: 916-323-3400 Last EDR Contact: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/04/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 05/14/2015

Number of Days to Update: 9

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 08/04/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/18/2015

Number of Days to Update: 8

Source: Department of Toxic Substances Control

Telephone: 916-255-6504 Last EDR Contact: 08/07/2015

Next Scheduled EDR Contact: 10/28/2015

Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995 Date Data Arrived at EDR: 08/30/1995 Date Made Active in Reports: 09/26/1995

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 916-227-4364 Last EDR Contact: 01/26/2009

Next Scheduled EDR Contact: 04/27/2009 Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 15

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994 Date Data Arrived at EDR: 07/07/2005 Date Made Active in Reports: 08/11/2005

Number of Days to Update: 35

Source: State Water Resources Control Board

Telephone: N/A

Last EDR Contact: 06/03/2005 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009 Date Data Arrived at EDR: 09/23/2009 Date Made Active in Reports: 10/01/2009

Number of Days to Update: 8

Source: Department of Public Health

Telephone: 707-463-4466 Last EDR Contact: 06/01/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990 Date Data Arrived at EDR: 01/25/1991 Date Made Active in Reports: 02/12/1991

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 916-341-5851 Last EDR Contact: 07/26/2001 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994 Date Data Arrived at EDR: 09/05/1995 Date Made Active in Reports: 09/29/1995

Number of Days to Update: 24

Source: California Environmental Protection Agency

Telephone: 916-341-5851 Last EDR Contact: 12/28/1998 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/11/2015 Date Data Arrived at EDR: 06/16/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 28

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 06/05/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/08/2015 Date Data Arrived at EDR: 06/09/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 35

Source: DTSC and SWRCB Telephone: 916-323-3400 Last EDR Contact: 06/09/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/30/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/15/2015 Date Data Arrived at EDR: 07/28/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 6

Source: Office of Emergency Services Telephone: 916-845-8400 Last EDR Contact: 07/28/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management

Date of Government Version: 06/15/2015 Date Data Arrived at EDR: 06/17/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 27

Source: State Water Qualilty Control Board

Telephone: 866-480-1028 Last EDR Contact: 06/17/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 06/15/2015 Date Data Arrived at EDR: 06/17/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 06/17/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/22/2013

Number of Days to Update: 50

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 8

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 07/08/2015

Next Scheduled EDR Contact: 09/21/2015

Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS Telephone: 888-275-8747 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 05/21/2015

Next Scheduled EDR Contact: 08/31/2015 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/09/2015 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 08/12/2015

Next Scheduled EDR Contact: 11/30/2015 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 08/04/2015

Next Scheduled EDR Contact: 11/23/2015 Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 05/14/2015

Next Scheduled EDR Contact: 08/24/2015 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015

Number of Days to Update: 14

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 06/25/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 02/12/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 110

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 01/29/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013 Date Data Arrived at EDR: 12/12/2013 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 74

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 06/12/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2015 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015

Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 05/14/2015

Next Scheduled EDR Contact: 08/24/2015 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 33

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 07/17/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015 Date Data Arrived at EDR: 02/06/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 07/09/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 05/20/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Telephone: 202-566-1667 Last EDR Contact: 05/20/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Source: EPA

Date of Government Version: 03/31/2015 Date Data Arrived at EDR: 04/09/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 63

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 06/04/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 07/13/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 06/12/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 10/19/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 83

Source: Environmental Protection Agency Telephone: 202-566-0517

Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/07/2015 Date Data Arrived at EDR: 04/09/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 63

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 07/09/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008

Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 08/04/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 04/17/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 02/26/2013 Date Made Active in Reports: 04/19/2013

Number of Days to Update: 52

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/07/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 146

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 05/26/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014 Date Data Arrived at EDR: 11/26/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 07/07/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014 Date Data Arrived at EDR: 10/31/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 17

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/16/2014 Date Data Arrived at EDR: 10/31/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 17

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/22/2015 Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information

Date of Government Version: 12/30/2014 Date Data Arrived at EDR: 12/31/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 06/03/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: USGS Telephone: 703-648-7709 Last EDR Contact: 06/05/2015

Next Scheduled EDR Contact: 09/14/2015

Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 06/05/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail, EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/18/2015 Date Data Arrived at EDR: 02/27/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 26

Source: EPA

Telephone: (415) 947-8000 Last EDR Contact: 06/10/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989 Date Data Arrived at EDR: 07/27/1994 Date Made Active in Reports: 08/02/1994

Number of Days to Update: 6

Source: Department of Health Services

Telephone: 916-255-2118 Last EDR Contact: 05/31/1994 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/24/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 18

Source: CAL EPA/Office of Emergency Information

Telephone: 916-323-3400 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 02/18/2015 Date Data Arrived at EDR: 02/20/2015 Date Made Active in Reports: 03/12/2015

Number of Days to Update: 20

Source: Department of Toxic Substance Control

Telephone: 916-327-4498 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 03/25/2014 Date Made Active in Reports: 04/28/2014

Number of Days to Update: 34

Source: California Air Resources Board

Telephone: 916-322-2990 Last EDR Contact: 06/25/2015

Next Scheduled EDR Contact: 10/05/2015

Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/01/2015 Date Made Active in Reports: 05/13/2015

Number of Days to Update: 12

Source: State Water Resoruces Control Board

Telephone: 916-445-9379 Last EDR Contact: 08/07/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/01/2015 Date Made Active in Reports: 05/13/2015

Number of Days to Update: 12

Source: Department of Toxic Substances Control

Telephone: 916-255-3628 Last EDR Contact: 07/24/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/18/2015 Date Data Arrived at EDR: 05/22/2015 Date Made Active in Reports: 06/05/2015

Number of Days to Update: 14

Source: California Integrated Waste Management Board

Telephone: 916-341-6066 Last EDR Contact: 05/18/2015

Next Scheduled EDR Contact: 08/31/2015 Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 11/19/2014

Number of Days to Update: 35

Source: California Environmental Protection Agency

Telephone: 916-255-1136 Last EDR Contact: 07/17/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Annually

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the

state agency.

Date of Government Version: 04/01/2001 Date Data Arrived at EDR: 01/22/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 01/22/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/26/2015 Date Data Arrived at EDR: 05/28/2015 Date Made Active in Reports: 06/05/2015

Number of Days to Update: 8

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 05/28/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/13/2015 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 20

Source: Department of Toxic Substances Control

Telephone: 916-440-7145 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/15/2015 Date Data Arrived at EDR: 06/17/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 27

Source: Department of Conservation

Telephone: 916-322-1080 Last EDR Contact: 06/17/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/07/2015 Date Data Arrived at EDR: 06/09/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 35

Source: Department of Public Health

Telephone: 916-558-1784 Last EDR Contact: 06/09/2015

Next Scheduled EDR Contact: 09/21/2015

Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/18/2015 Date Data Arrived at EDR: 05/20/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 22

Source: State Water Resources Control Board

Telephone: 916-445-9379 Last EDR Contact: 05/20/2015

Next Scheduled EDR Contact: 08/31/2015 Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 06/07/2015 Date Data Arrived at EDR: 06/10/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 34

Source: Department of Pesticide Regulation

Telephone: 916-445-4038 Last EDR Contact: 06/10/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Quarterly

PROC: Certified Processors Database A listing of certified processors.

Date of Government Version: 06/15/2015 Date Data Arrived at EDR: 06/17/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 27

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 06/17/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993 Date Data Arrived at EDR: 11/01/1993 Date Made Active in Reports: 11/19/1993

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 916-445-3846 Last EDR Contact: 06/17/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/19/2014 Date Data Arrived at EDR: 12/15/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 45

Source: Deaprtment of Conservation

Telephone: 916-445-2408 Last EDR Contact: 06/19/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015 Date Data Arrived at EDR: 04/17/2015 Date Made Active in Reports: 06/23/2015

Number of Days to Update: 67

Source: RWQCB, Central Valley Region

Telephone: 559-445-5577 Last EDR Contact: 07/13/2015

Next Scheduled EDR Contact: 10/28/2015

Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007 Date Data Arrived at EDR: 06/20/2007 Date Made Active in Reports: 06/29/2007

Number of Days to Update: 9

Source: State Water Resources Control Board

Telephone: 916-341-5227 Last EDR Contact: 05/20/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009 Date Data Arrived at EDR: 07/21/2009 Date Made Active in Reports: 08/03/2009

Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board

Telephone: 213-576-6726 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/12/2015

Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/30/2013 Number of Days to Update: 182

Source: State Water Resources Control Board Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 07/21/2015 Date Data Arrived at EDR: 07/24/2015 Date Made Active in Reports: 08/05/2015

Source: Alameda County Environmental Health Services

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700 Last EDR Contact: 08/10/2015

Number of Days to Update: 12 Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/21/2015 Date Data Arrived at EDR: 07/22/2015 Date Made Active in Reports: 08/03/2015

Telephone: 510-567-6700

Last EDR Contact: 07/13/2015

Number of Days to Update: 12

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 06/05/2015 Date Data Arrived at EDR: 06/09/2015 Date Made Active in Reports: 07/10/2015

Number of Days to Update: 31

Source: Amador County Environmental Health

Telephone: 209-223-6439 Last EDR Contact: 06/05/2015

Next Scheduled EDR Contact: 09/21/2015

Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 11/20/2014 Date Data Arrived at EDR: 11/24/2014 Date Made Active in Reports: 01/07/2015

Number of Days to Update: 44

Source: Public Health Department Telephone: 530-538-7149 Last EDR Contact: 07/13/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 07/15/2015 Date Data Arrived at EDR: 07/17/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 17

Source: Calveras County Environmental Health

Telephone: 209-754-6399 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/11/2014 Date Data Arrived at EDR: 06/13/2014 Date Made Active in Reports: 07/07/2014

Number of Days to Update: 24

Source: Health & Human Services Telephone: 530-458-0396 Last EDR Contact: 08/10/2015

Next Scheduled EDR Contact: 11/23/2015

Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/26/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 13

Source: Contra Costa Health Services Department

Telephone: 925-646-2286 Last EDR Contact: 08/03/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List

Cupa Facility list

Date of Government Version: 05/19/2015 Date Data Arrived at EDR: 05/22/2015 Date Made Active in Reports: 06/05/2015

Number of Days to Update: 14

Source: Del Norte County Environmental Health Division

Telephone: 707-465-0426 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/16/2015

Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List CUPA facility list.

> Date of Government Version: 05/26/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/05/2015

Number of Days to Update: 7

Source: El Dorado County Environmental Management Department

Telephone: 530-621-6623 Last EDR Contact: 08/03/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/13/2015 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 20

Source: Dept. of Community Health Telephone: 559-445-3271 Last EDR Contact: 07/06/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/11/2015 Date Data Arrived at EDR: 03/13/2015 Date Made Active in Reports: 03/24/2015

Number of Days to Update: 11

Source: Humboldt County Environmental Health

Telephone: N/A

Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 04/27/2015 Date Data Arrived at EDR: 04/28/2015 Date Made Active in Reports: 05/13/2015

Number of Days to Update: 15

Source: San Diego Border Field Office

Telephone: 760-339-2777 Last EDR Contact: 08/07/2015

Next Scheduled EDR Contact: 11/09/2015

Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013 Date Data Arrived at EDR: 09/11/2013 Date Made Active in Reports: 10/14/2013

Number of Days to Update: 33

Source: Inyo County Environmental Health Services

Telephone: 760-878-0238 Last EDR Contact: 05/21/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 05/19/2015 Date Data Arrived at EDR: 06/18/2015 Date Made Active in Reports: 07/22/2015

Number of Days to Update: 34

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700 Last EDR Contact: 08/07/2015

Next Scheduled EDR Contact: 11/23/2015 Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/26/2015 Date Data Arrived at EDR: 05/28/2015 Date Made Active in Reports: 06/15/2015

Number of Days to Update: 18

Source: Kings County Department of Public Health

Telephone: 559-584-1411 Last EDR Contact: 05/21/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List Cupa facility list

> Date of Government Version: 05/05/2015 Date Data Arrived at EDR: 05/07/2015 Date Made Active in Reports: 05/20/2015

Number of Days to Update: 13

Source: Lake County Environmental Health

Telephone: 707-263-1164 Last EDR Contact: 07/20/2015

Next Scheduled EDR Contact: 11/02/2015 Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009 Date Data Arrived at EDR: 03/31/2009 Date Made Active in Reports: 10/23/2009

Number of Days to Update: 206

Source: EPA Region 9 Telephone: 415-972-3178 Last EDR Contact: 06/17/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014 Date Data Arrived at EDR: 01/30/2015 Date Made Active in Reports: 03/04/2015

Number of Days to Update: 33

Source: Department of Public Works Telephone: 626-458-3517

Last EDR Contact: 07/10/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/20/2015 Date Data Arrived at EDR: 07/21/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 13

Source: La County Department of Public Works

Telephone: 818-458-5185 Last EDR Contact: 07/21/2015

Next Scheduled EDR Contact: 11/02/2015

Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2015 Date Data Arrived at EDR: 07/27/2015 Date Made Active in Reports: 08/10/2015

Number of Days to Update: 14

Source: Engineering & Construction Division

Telephone: 213-473-7869 Last EDR Contact: 07/20/2015

Next Scheduled EDR Contact: 11/02/2015

Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/15/2015 Date Data Arrived at EDR: 01/29/2015 Date Made Active in Reports: 03/10/2015

Number of Days to Update: 40

Source: Community Health Services Telephone: 323-890-7806

Last EDR Contact: 07/15/2015

Next Scheduled EDR Contact: 11/02/2015 Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015 Date Data Arrived at EDR: 04/02/2015 Date Made Active in Reports: 04/13/2015

Number of Days to Update: 11

Source: City of El Segundo Fire Department

Telephone: 310-524-2236 Last EDR Contact: 07/17/2015

Next Scheduled EDR Contact: 11/02/2015 Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/03/2015 Date Data Arrived at EDR: 05/26/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 16

Source: City of Long Beach Fire Department

Telephone: 562-570-2563 Last EDR Contact: 07/27/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/03/2015 Date Data Arrived at EDR: 06/04/2015 Date Made Active in Reports: 07/06/2015

Number of Days to Update: 32

Source: City of Torrance Fire Department

Telephone: 310-618-2973 Last EDR Contact: 06/04/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/28/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/15/2015

Number of Days to Update: 17

Source: Madera County Environmental Health

Telephone: 559-675-7823 Last EDR Contact: 05/22/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014 Date Data Arrived at EDR: 10/22/2014 Date Made Active in Reports: 12/15/2014

Number of Days to Update: 54

Source: Public Works Department Waste Management

Telephone: 415-499-6647 Last EDR Contact: 07/06/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/22/2015 Date Data Arrived at EDR: 05/26/2015 Date Made Active in Reports: 06/05/2015

Number of Days to Update: 10

Source: Merced County Environmental Health

Telephone: 209-381-1094 Last EDR Contact: 05/22/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List CUPA Facility List

> Date of Government Version: 06/01/2015 Date Data Arrived at EDR: 06/03/2015 Date Made Active in Reports: 07/06/2015

Number of Days to Update: 33

Source: Mono County Health Department

Telephone: 760-932-5580 Last EDR Contact: 06/01/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/30/2015 Date Data Arrived at EDR: 07/07/2015 Date Made Active in Reports: 07/16/2015

Number of Days to Update: 9

Source: Monterey County Health Department

Telephone: 831-796-1297 Last EDR Contact: 05/26/2015

Next Scheduled EDR Contact: 09/07/2015

Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011 Date Data Arrived at EDR: 12/06/2011 Date Made Active in Reports: 02/07/2012

Number of Days to Update: 63

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 06/01/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008 Date Data Arrived at EDR: 01/16/2008 Date Made Active in Reports: 02/08/2008

Number of Days to Update: 23

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 06/01/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 06/03/2015 Date Data Arrived at EDR: 06/04/2015 Date Made Active in Reports: 07/22/2015

Number of Days to Update: 48

Source: Community Development Agency

Telephone: 530-265-1467 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2015 Date Data Arrived at EDR: 05/12/2015 Date Made Active in Reports: 06/05/2015

Number of Days to Update: 24

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 08/06/2015

Next Scheduled EDR Contact: 11/23/2015 Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2015 Date Data Arrived at EDR: 05/12/2015 Date Made Active in Reports: 06/08/2015

Number of Days to Update: 27

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 05/06/2015

Next Scheduled EDR Contact: 08/24/2015 Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2015 Date Data Arrived at EDR: 05/12/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 30

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 08/11/2015

Next Scheduled EDR Contact: 11/23/2015 Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/01/2015 Date Data Arrived at EDR: 07/07/2015 Date Made Active in Reports: 08/05/2015

Number of Days to Update: 29

Source: Placer County Health and Human Services

Telephone: 530-745-2363 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/15/2015 Date Data Arrived at EDR: 07/17/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 17

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/15/2015 Date Data Arrived at EDR: 07/17/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 17

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/07/2015 Date Data Arrived at EDR: 07/24/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 10

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/07/2015 Date Data Arrived at EDR: 07/27/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 7

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 06/30/2015 Date Data Arrived at EDR: 07/07/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041 Last EDR Contact: 08/10/2015

Next Scheduled EDR Contact: 11/23/2015 Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013 Date Data Arrived at EDR: 09/24/2013 Date Made Active in Reports: 10/17/2013

Number of Days to Update: 23

Source: Hazardous Materials Management Division

Telephone: 619-338-2268 Last EDR Contact: 06/05/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014 Date Data Arrived at EDR: 11/21/2014 Date Made Active in Reports: 12/29/2014

Number of Days to Update: 38

Source: Department of Health Services

Telephone: 619-338-2209 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010 Date Data Arrived at EDR: 06/15/2010 Date Made Active in Reports: 07/09/2010

Number of Days to Update: 24

Source: San Diego County Department of Environmental Health

Telephone: 619-338-2371 Last EDR Contact: 06/03/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 09/29/2008

Number of Days to Update: 10

Source: Department Of Public Health San Francisco County

Telephone: 415-252-3920 Last EDR Contact: 08/06/2015

Next Scheduled EDR Contact: 11/23/2015 Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010 Date Data Arrived at EDR: 03/10/2011 Date Made Active in Reports: 03/15/2011

Number of Days to Update: 5

Source: Department of Public Health Telephone: 415-252-3920 Last EDR Contact: 08/06/2015

Next Scheduled EDR Contact: 11/23/2015 Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 07/06/2015

Number of Days to Update: 10

Source: Environmental Health Department

Telephone: N/A

Last EDR Contact: 06/17/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 05/22/2015 Date Data Arrived at EDR: 05/26/2015 Date Made Active in Reports: 06/10/2015

Number of Days to Update: 15

Source: San Luis Obispo County Public Health Department

Telephone: 805-781-5596 Last EDR Contact: 05/20/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 07/20/2015 Date Data Arrived at EDR: 07/22/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 12

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 06/15/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/10/2015 Date Data Arrived at EDR: 06/16/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 06/10/2015

Next Scheduled EDR Contact: 06/29/2015 Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011 Date Data Arrived at EDR: 09/09/2011 Date Made Active in Reports: 10/07/2011

Number of Days to Update: 28

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167 Last EDR Contact: 05/22/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List Cupa facility list

Date of Government Version: 06/10/2015 Date Data Arrived at EDR: 06/16/2015 Date Made Active in Reports: 07/10/2015

Number of Days to Update: 24

Source: Department of Environmental Health

Telephone: 408-918-1973 Last EDR Contact: 06/05/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005 Date Data Arrived at EDR: 03/30/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014 Date Data Arrived at EDR: 03/05/2014 Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417 Last EDR Contact: 06/01/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/07/2015 Date Data Arrived at EDR: 05/12/2015 Date Made Active in Reports: 06/08/2015

Number of Days to Update: 27

Source: City of San Jose Fire Department

Telephone: 408-535-7694 Last EDR Contact: 08/07/2015

Next Scheduled EDR Contact: 11/23/2015 Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/22/2015 Date Data Arrived at EDR: 05/26/2015 Date Made Active in Reports: 06/08/2015

Number of Days to Update: 13

Source: Santa Cruz County Environmental Health

Telephone: 831-464-2761 Last EDR Contact: 05/22/2015

Next Scheduled EDR Contact: 09/07/2015

Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/12/2015 Date Data Arrived at EDR: 06/16/2015 Date Made Active in Reports: 07/10/2015

Number of Days to Update: 24

Source: Shasta County Department of Resource Management

Telephone: 530-225-5789 Last EDR Contact: 05/26/2015

Next Scheduled EDR Contact: 09/07/2015

Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2015 Date Data Arrived at EDR: 06/24/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 20

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 06/10/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2015 Date Data Arrived at EDR: 06/30/2015 Date Made Active in Reports: 07/07/2015

Number of Days to Update: 7

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 06/10/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 06/22/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 18

Source: County of Sonoma Fire & Emergency Services Department

Telephone: 707-565-1174 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/01/2015 Date Data Arrived at EDR: 07/07/2015 Date Made Active in Reports: 07/14/2015

Number of Days to Update: 7

Source: Department of Health Services

Telephone: 707-565-6565 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 06/05/2015 Date Data Arrived at EDR: 06/09/2015 Date Made Active in Reports: 07/06/2015

Number of Days to Update: 27

Source: Sutter County Department of Agriculture

Telephone: 530-822-7500 Last EDR Contact: 06/05/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 07/13/2015 Date Data Arrived at EDR: 07/28/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 6

Source: Divison of Environmental Health

Telephone: 209-533-5633 Last EDR Contact: 07/24/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 06/26/2015 Date Data Arrived at EDR: 07/17/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 17

Source: Ventura County Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 08/12/2015

Next Scheduled EDR Contact: 11/30/2015 Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011 Date Data Arrived at EDR: 12/01/2011 Date Made Active in Reports: 01/19/2012

Number of Days to Update: 49

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008 Date Data Arrived at EDR: 06/24/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 37

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 08/12/2015

Next Scheduled EDR Contact: 11/30/2015 Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 04/27/2015 Date Data Arrived at EDR: 04/29/2015 Date Made Active in Reports: 05/13/2015

Number of Days to Update: 14

Source: Ventura County Resource Management Agency

Telephone: 805-654-2813 Last EDR Contact: 07/27/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/27/2015 Date Data Arrived at EDR: 06/17/2015 Date Made Active in Reports: 07/06/2015

Number of Days to Update: 19

Source: Environmental Health Division Telephone: 805-654-2813

Last EDR Contact: 06/17/2015

Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 07/08/2015
Date Data Arrived at EDR: 07/13/2015

Date Made Active in Reports: 07/22/2015 Number of Days to Update: 9 Source: Yolo County Department of Health Telephone: 530-666-8646

Last EDR Contact: 07/06/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 05/18/2015 Date Data Arrived at EDR: 05/19/2015 Date Made Active in Reports: 06/05/2015

Number of Days to Update: 17

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/16/2015

Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013 Date Data Arrived at EDR: 08/19/2013 Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 05/18/2015

Next Scheduled EDR Contact: 08/31/2015 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 07/17/2015 Date Made Active in Reports: 08/12/2015

Number of Days to Update: 26

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 07/13/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2015 Date Data Arrived at EDR: 08/06/2015 Date Made Active in Reports: 08/24/2015

Number of Days to Update: 18

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 08/06/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/24/2015 Date Made Active in Reports: 08/18/2015

Number of Days to Update: 25

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 07/20/2015

Next Scheduled EDR Contact: 11/02/2015 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 06/19/2015 Date Made Active in Reports: 07/15/2015

Number of Days to Update: 26

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 05/26/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 03/19/2015 Date Made Active in Reports: 04/07/2015

Number of Days to Update: 19

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/11/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation Telephone: 281-546-1505

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation Telephone: 800-823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ETWD - PHASE II EXPANSION EL TORO RD LAGUNA WOODS, CA 92637

TARGET PROPERTY COORDINATES

Latitude (North): 33.6153 - 33° 36′ 55.08″ Longitude (West): 117.7144 - 117° 42′ 51.84″

Universal Tranverse Mercator: Zone 11 UTM X (Meters): 433728.7 UTM Y (Meters): 3719538.0

Elevation: 363 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 5641316 SAN JUAN CAPISTRANO, CA

Version Date: 2012

North Map: 5636489 EL TORO, CA

Version Date: 2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

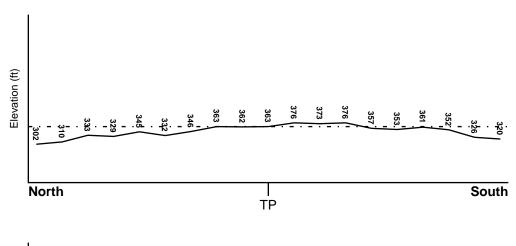
TOPOGRAPHIC INFORMATION

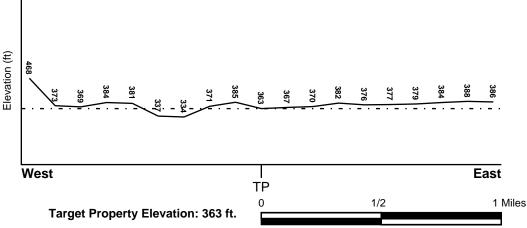
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

FEMA Flood Electronic Data

Target Property County ORANGE, CA

YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

06059C - FEMA DFIRM Flood data

Additional Panels in search area:

Not Reported

NATIONAL WETLAND INVENTORY

NWI Electronic

NWI Quad at Target Property SAN JUAN CAPISTRANO

Data Coverage

ANO YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

	LOCATION	GENERAL DIRECTION
MAP ID	FROM TP	GROUNDWATER FLOW
1	1/8 - 1/4 Mile SE	SE
A2	1/2 - 1 Mile East	W
A3	1/2 - 1 Mile East	W
A4	1/2 - 1 Mile East	Not Reported
5	1/2 - 1 Mile ENE	NNW
6	1/2 - 1 Mile WSW	NE

For additional site information, refer to Physical Setting Source Map Findings.

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

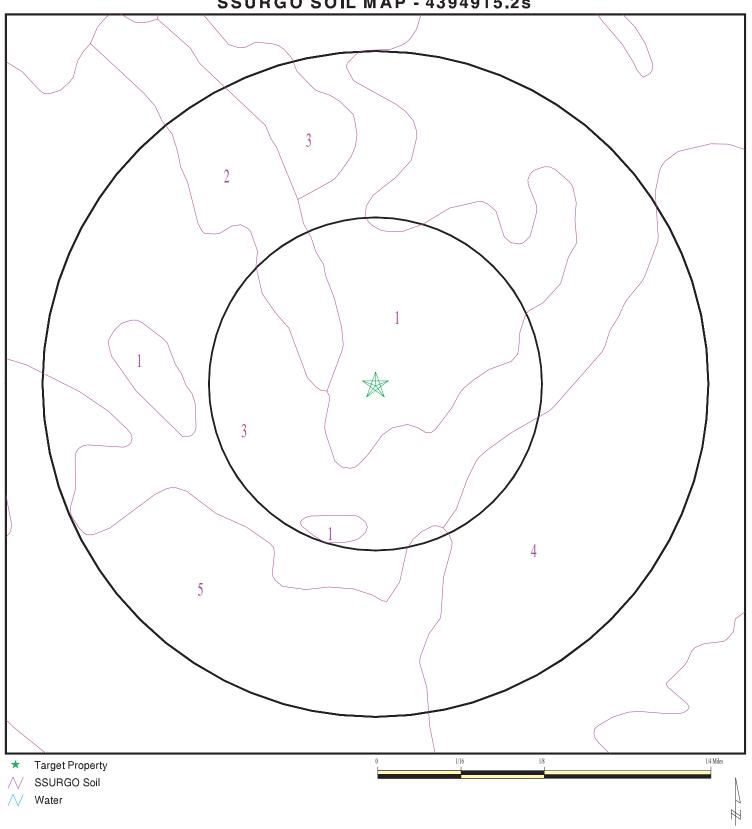
Era: Cenozoic Category: Stratified Sequence

System: Tertiary Series: Miocene

Code: Tm (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4394915.2s



SITE NAME: ETWD - Phase II Expansion ADDRESS: EL TORO RD

Laguna Woods CA 92637 33.6153 / 117.7144 LAT/LONG:

CLIENT: Dudek & Associated CONTACT: Khristina Leyba INQUIRY #: 4394915.2s August 28, 2015 12:38 pm

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: CALLEGUAS

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information								
	Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)	
1	0 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9	
2	14 inches	18 inches	weathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:	

Soil Map ID: 2

Soil Component Name: BOSANKO

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Bou	ındary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	20 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
2	20 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
3	31 inches	35 inches	weathered bedrock	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 3

Soil Component Name: BOSANKO

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information									
	Boundary Class		fication	Saturated hydraulic						
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec				
1	0 inches	25 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1			
2	25 inches	37 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1			
3	37 inches	40 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:			

Soil Map ID: 4

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information								
	Boundary			Classi	Classification				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	Soil Reaction (pH)		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6 Min: 5.1		

Soil Layer Information							
Boundary			Classif	Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	Soil Reaction (pH)
2	11 inches	18 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6
3	18 inches	27 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6
4	27 inches	70 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 6.1
5	70 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

Soil Map ID: 5

Soil Component Name: **BALCOM** Soil Surface Texture: clay loam

Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse Hydrologic Group:

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information								
	Bour	ndary		Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Oon Neading	
1	0 inches	33 inches	clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9	
2	33 inches	38 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:	

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

W

ELL SEARCH DISTANCE INFORMATION

SEARCH DISTANCE (miles) Federal USGS

Federal FRDS PWS Nearest PWS within 0.001 miles

State Database 1.000

DATABASE

FEDERAL USGS WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
7	USGS40000136184	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

LOCATION MAP ID FROM TP WELL ID No PWS System Found

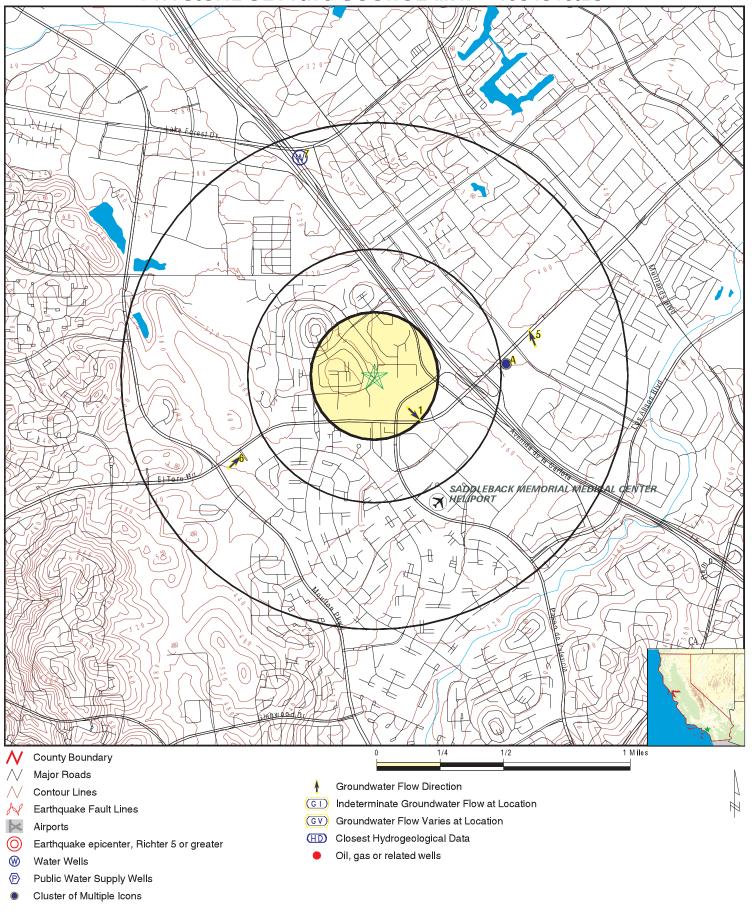
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

LOCATION MAP ID WELL ID FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 4394915.2s



SITE NAME: ETWD - Phase II Expansion
ADDRESS: EL TORO RD

Laguna Woods CA 92637 33.6153 / 117.7144

LAT/LONG:

CLIENT: Dudek & Associates CONTACT: Khristina Leyba

INQUIRY #: 4394915.2s DATE: August 28, 2015 12:38 pm

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 SE 1/8 - 1/4 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083002480T SE Not Reported Not Reported 15.3 01/30/1998	AQUIFLOW	34001
A2 East 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001244T W 13 15.5 Not Reported 05/18/1995	AQUIFLOW	39018
A3 East 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001244T W 13 15.5 Not Reported 05/18/1995	AQUIFLOW	39019
A4 East 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083003094T Not Reported 4.88 8.75 Not Reported 08/03/1998	AQUIFLOW	34291
5 ENE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000633T NNW Not Reported Not Reported 8.87 11/24/1997	AQUIFLOW	66490
6 WSW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001598T NE Not Reported Not Reported 9.15 01/29/1999	AQUIFLOW	54808

7
NNW
FED USGS USGS40000136184
1/2 - 1 Mile
Lower

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier: USGS-CA

Formal name: USGS California Water Science Center

Monloc Identifier: USGS-333740117430701 Monloc name: 006S008W28B001S

Monloc type: Well

Not Reported Monloc desc: Huc code: 18070204 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 33.6278003 -117.7194969 Not Reported Longitude: Sourcemap scale: Horiz Acc measure: Unknown Horiz Acc measure units: Unknown

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: Not Reported Vert measure units: Not Reported Vertacc measure val: Not Reported

Vert accmeasure units: Not Reported Vertcollection method: Not Reported

Vert coord refsys: Not Reported Countrycode: US

Aquifername: California Coastal Basin aquifers

Formation type: Not Reported

Aquifer type: Not Reported

Construction date: Not Reported Welldepth: Not Reported Welldepth units: Not Reported Wellholedepth: Not Reported

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 0

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92637	8	0

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ORANGE COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor Living Area - 2nd Floor	0.763 pCi/L Not Reported	100% Not Reported	0% Not Reported	0% Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208 Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

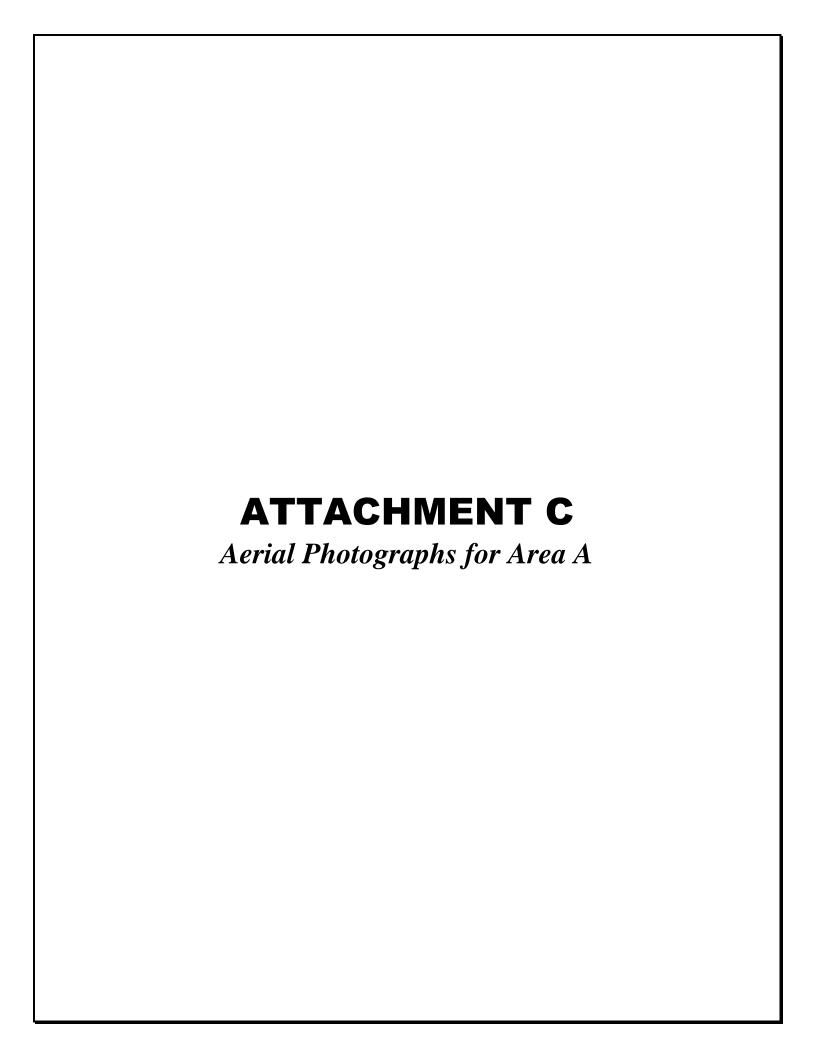
Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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ETWD

EL TORO RD Laguna Woods, CA 92637

Inquiry Number: 4239977.5

March 24, 2015

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography March 24, 2015

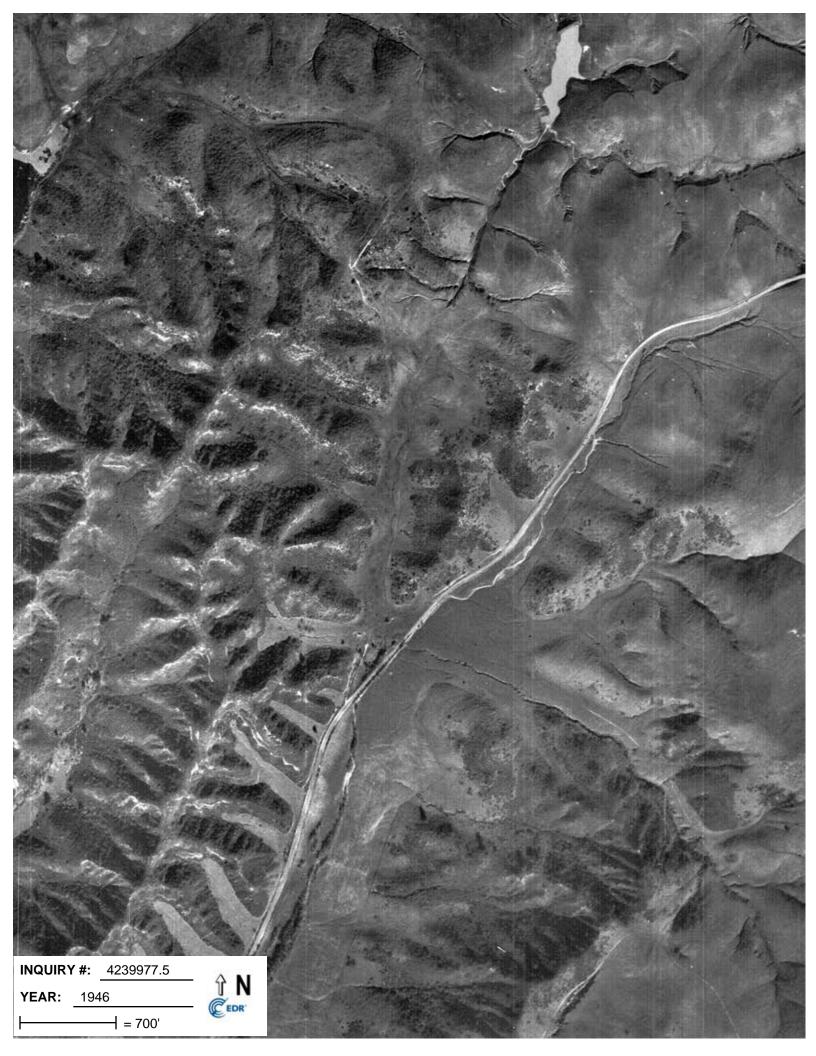
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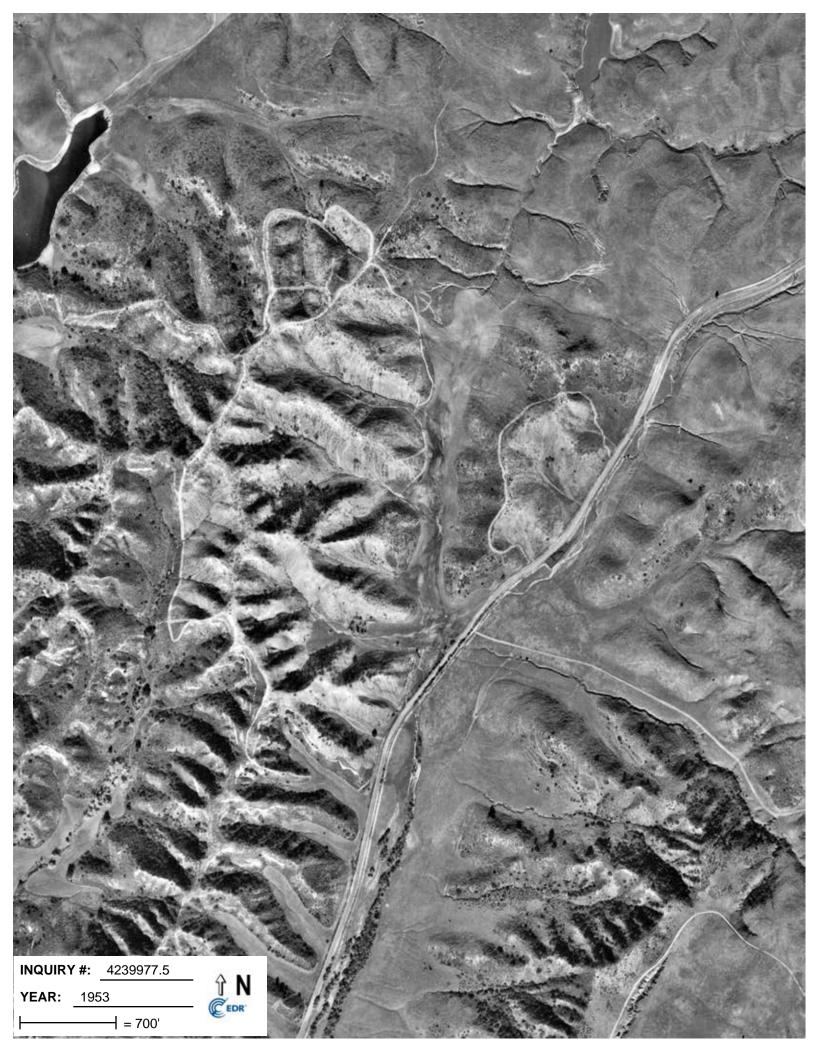
EL TORO RD

Laguna Woods, CA 92637

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
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1946	Aerial Photograph. Scale: 1"=700'	Flight Year: 1946	Jackmann Air
1953	Aerial Photograph. Scale: 1"=700'	Flight Year: 1953	Pacific Air
1960	Aerial Photograph. Scale: 1"=700'	Flight Year: 1960	Fairchild
1968	Aerial Photograph. Scale: 1"=700'	Flight Year: 1968	Teledyne
1977	Aerial Photograph. Scale: 1"=700'	Flight Year: 1977	Teledyne
1989	Aerial Photograph. Scale: 1"=700'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	USGS/DOQQ
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP



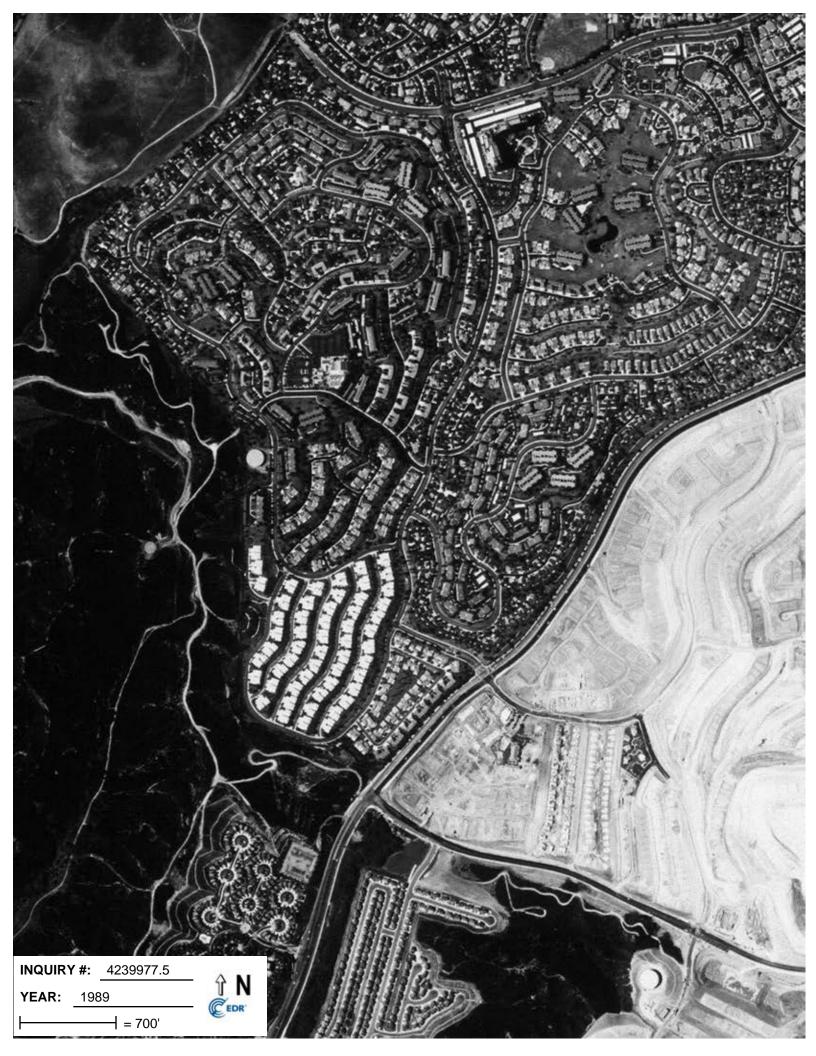


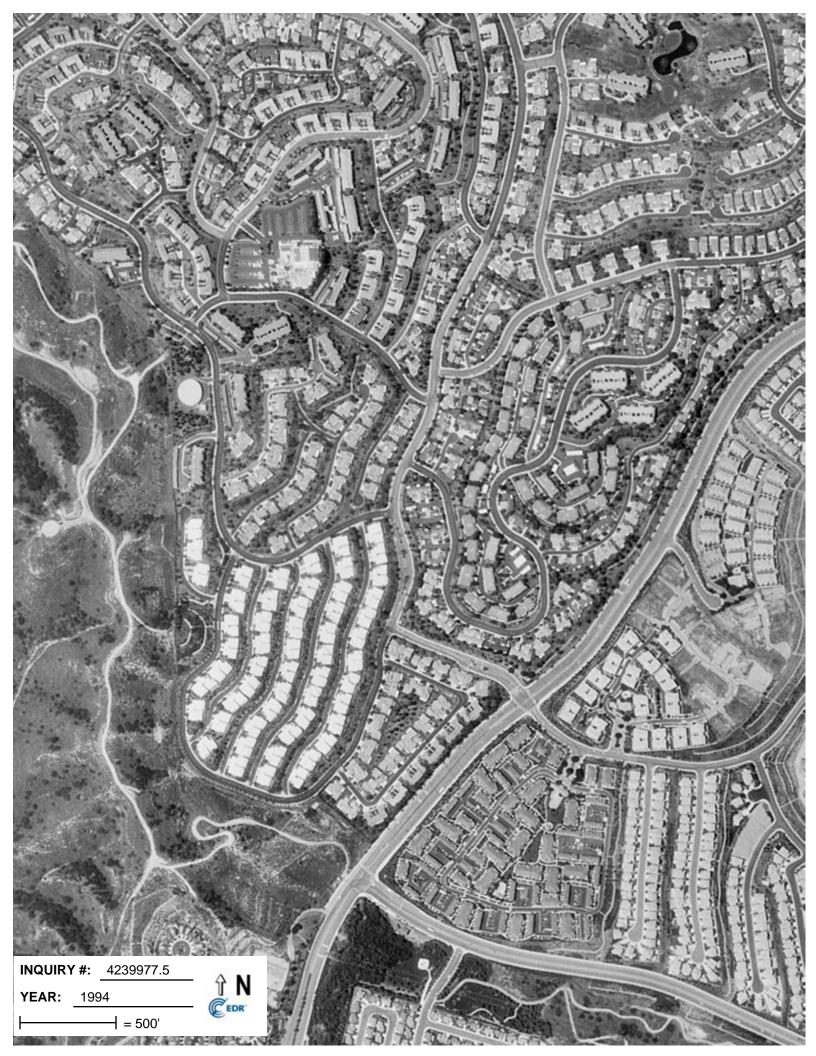


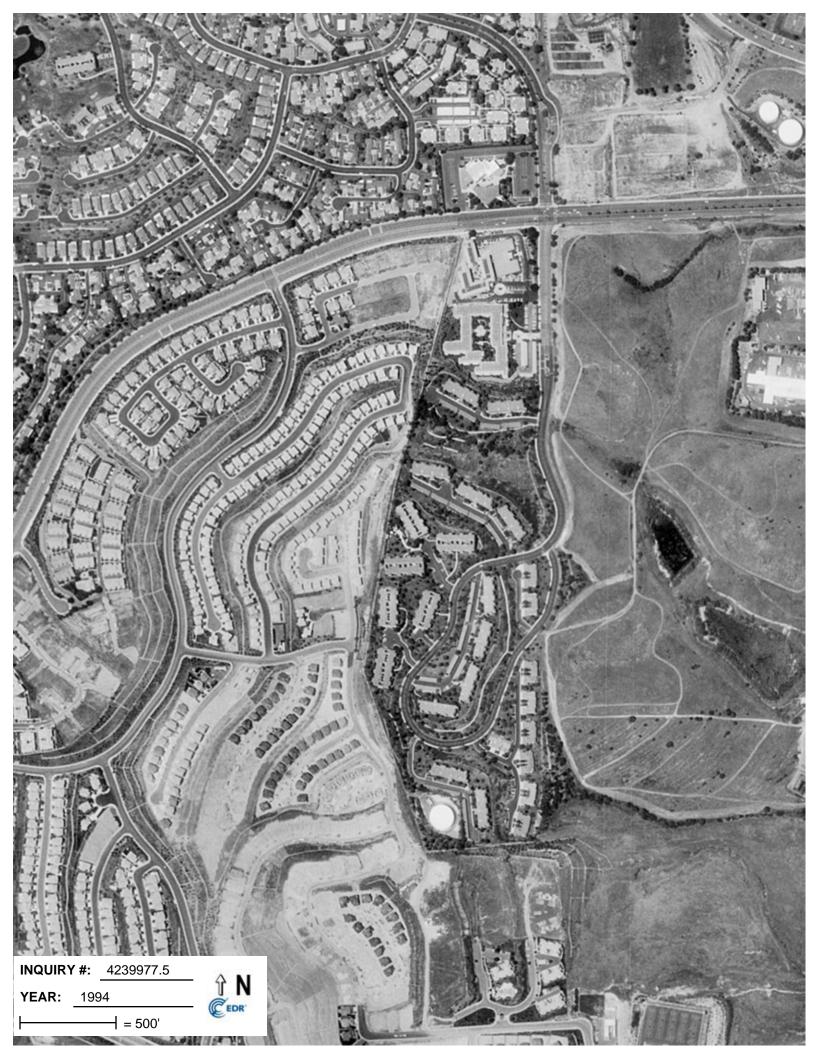


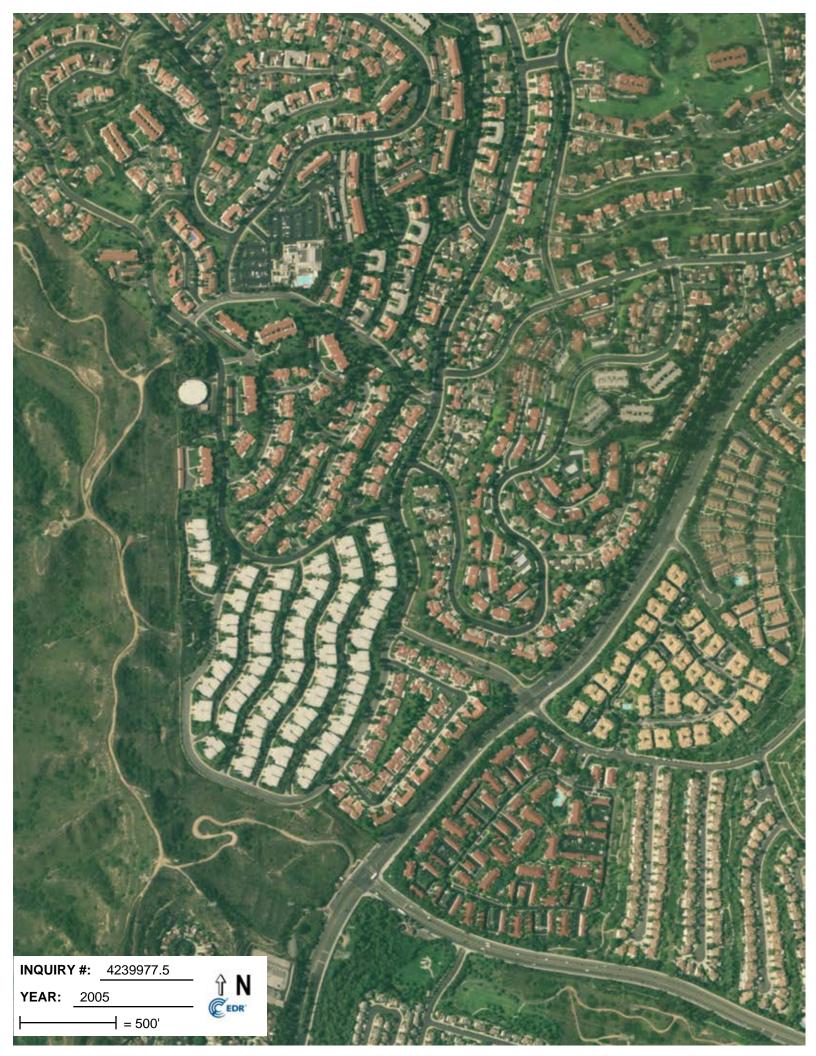


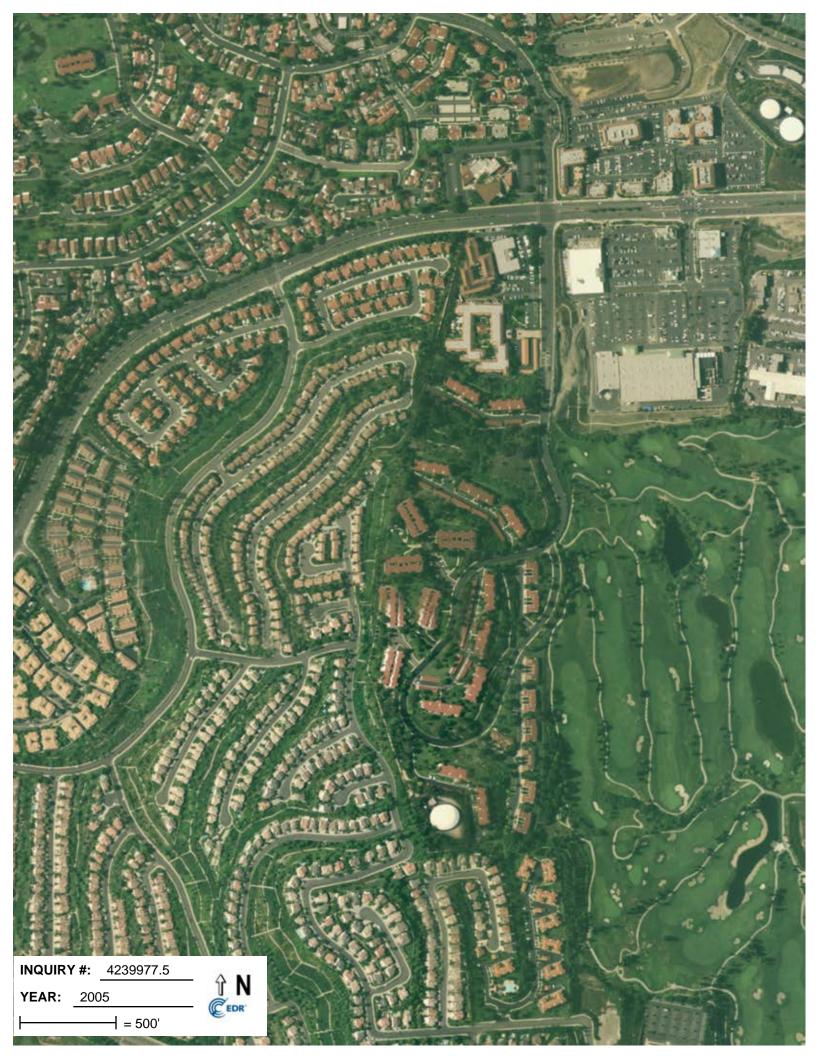


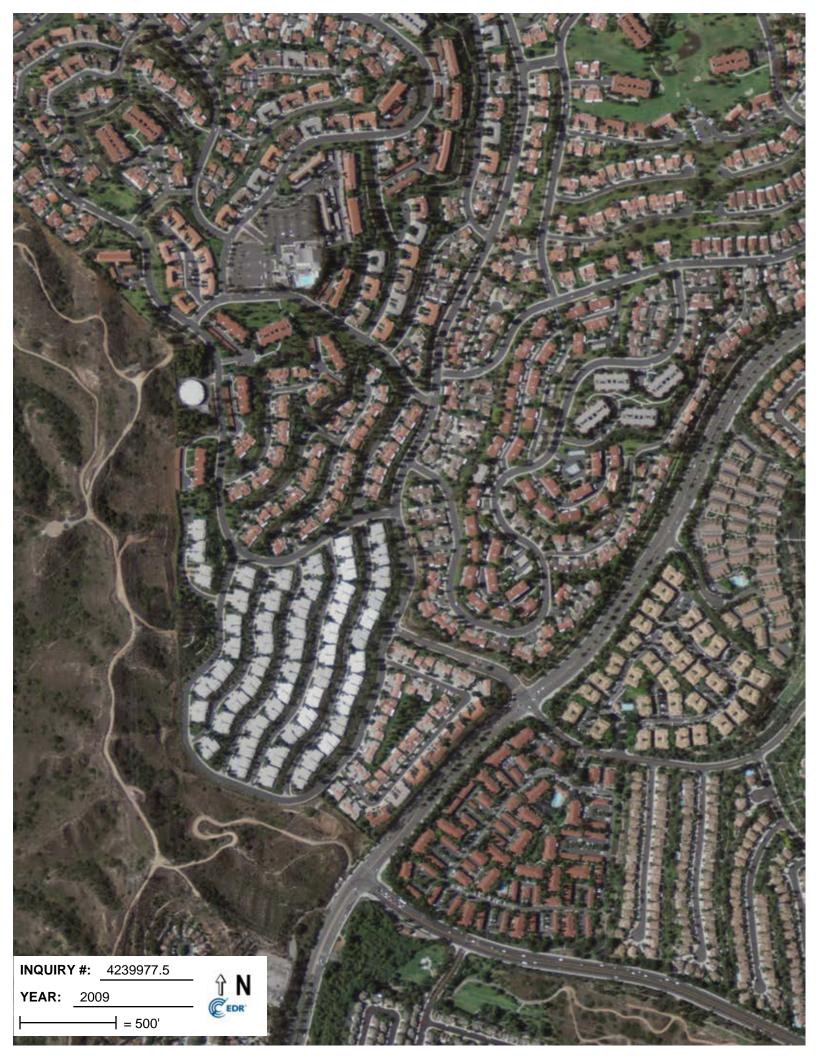










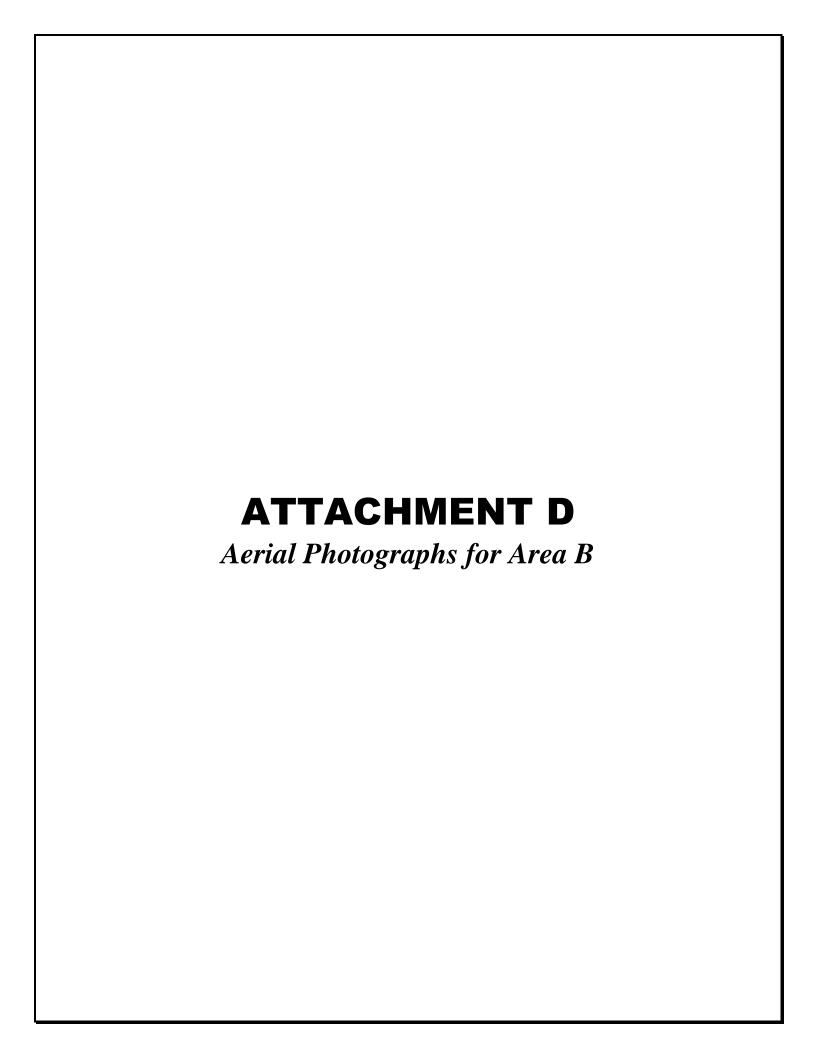












ETWD - Phase II Expansion

EL TORO RD Laguna Woods, CA 92637

Inquiry Number: 4394915.5

August 27, 2015

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography August 27, 2015

Target Property:

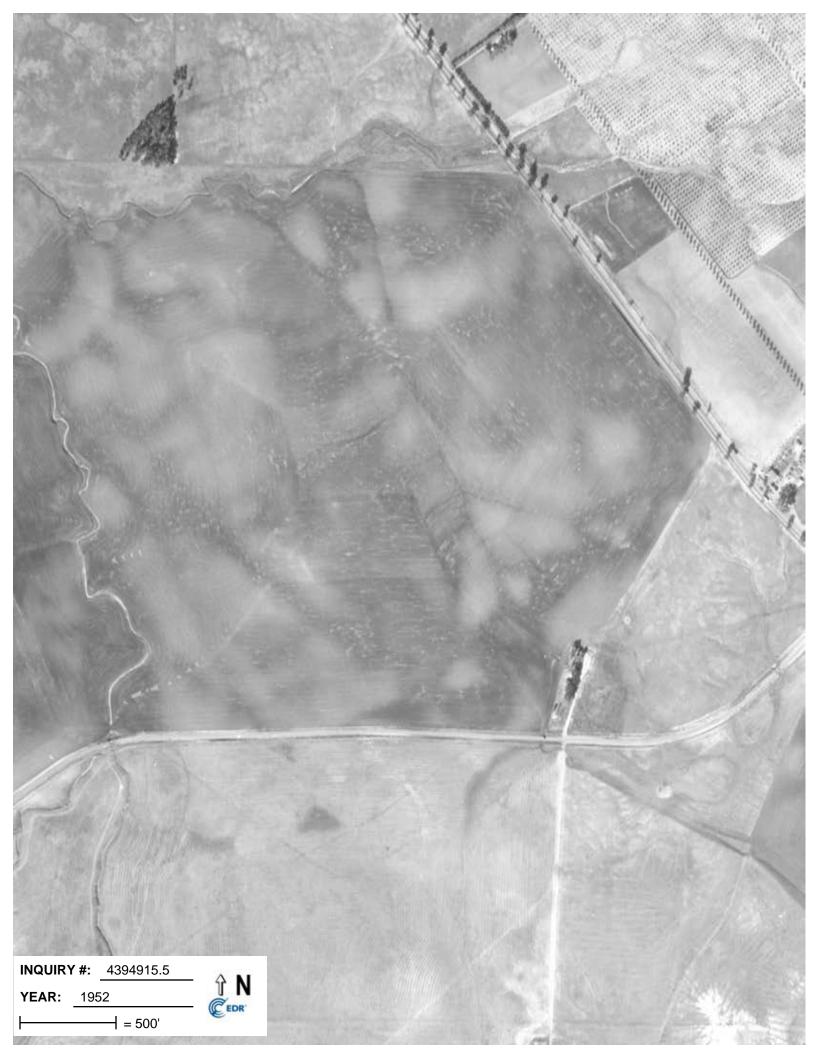
EL TORO RD

Laguna Woods, CA 92637

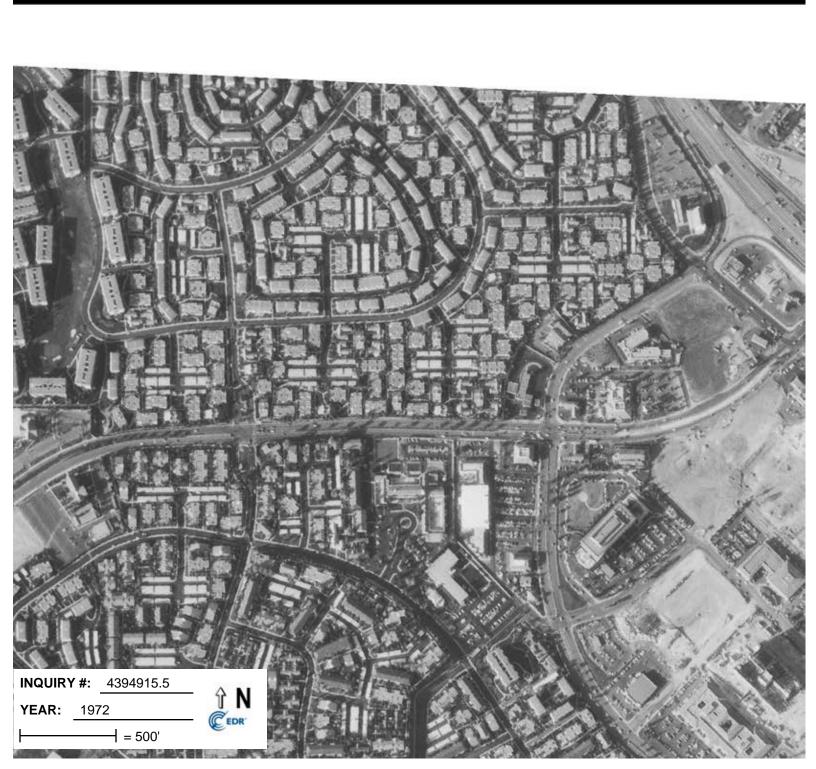
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1946	Aerial Photograph. Scale: 1"=500'	Flight Year: 1946	USGS
1952	Aerial Photograph. Scale: 1"=500'	Flight Year: 1952	USGS
1963	Aerial Photograph. Scale: 1"=500'	Flight Year: 1963	USGS
1972	Aerial Photograph. Scale: 1"=500'	Flight Year: 1972	USGS
1989	Aerial Photograph. Scale: 1"=500'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP

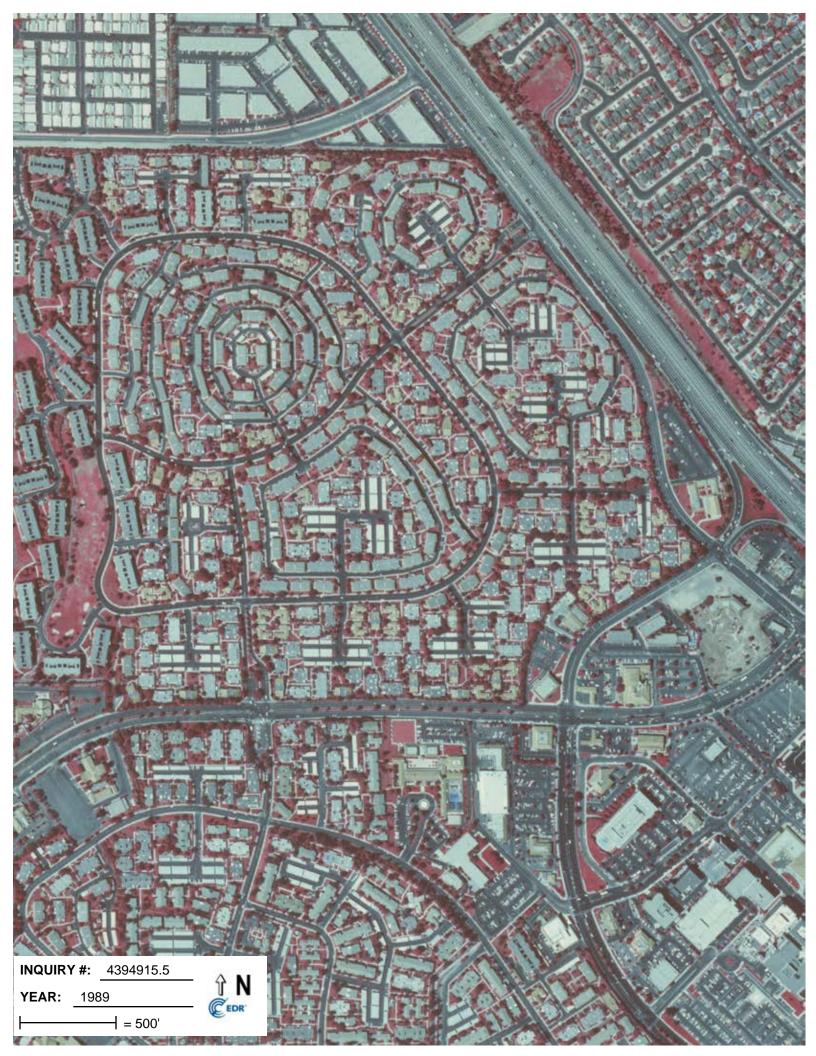


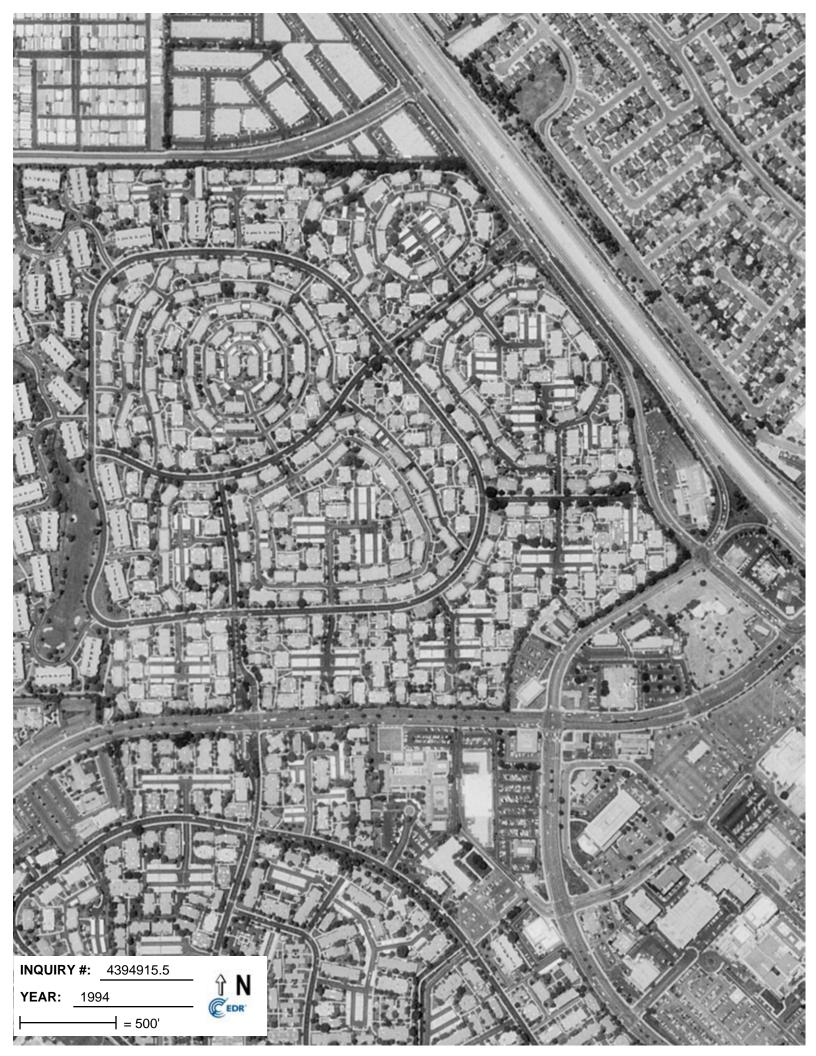


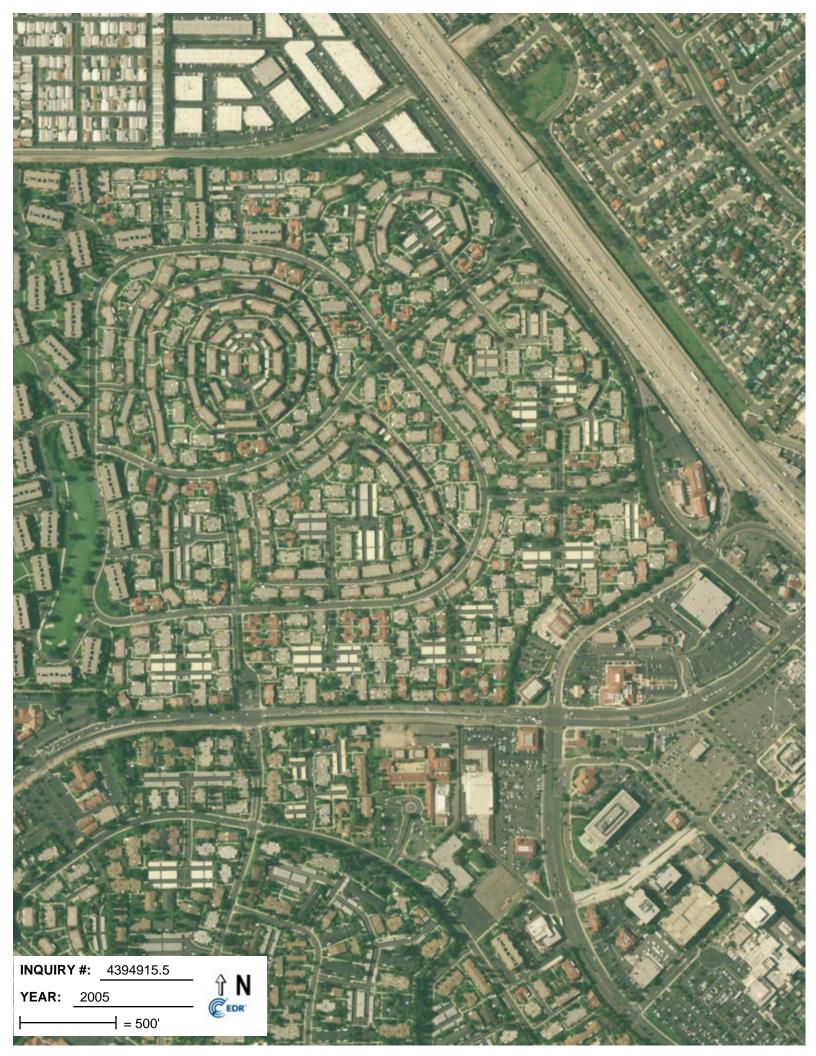




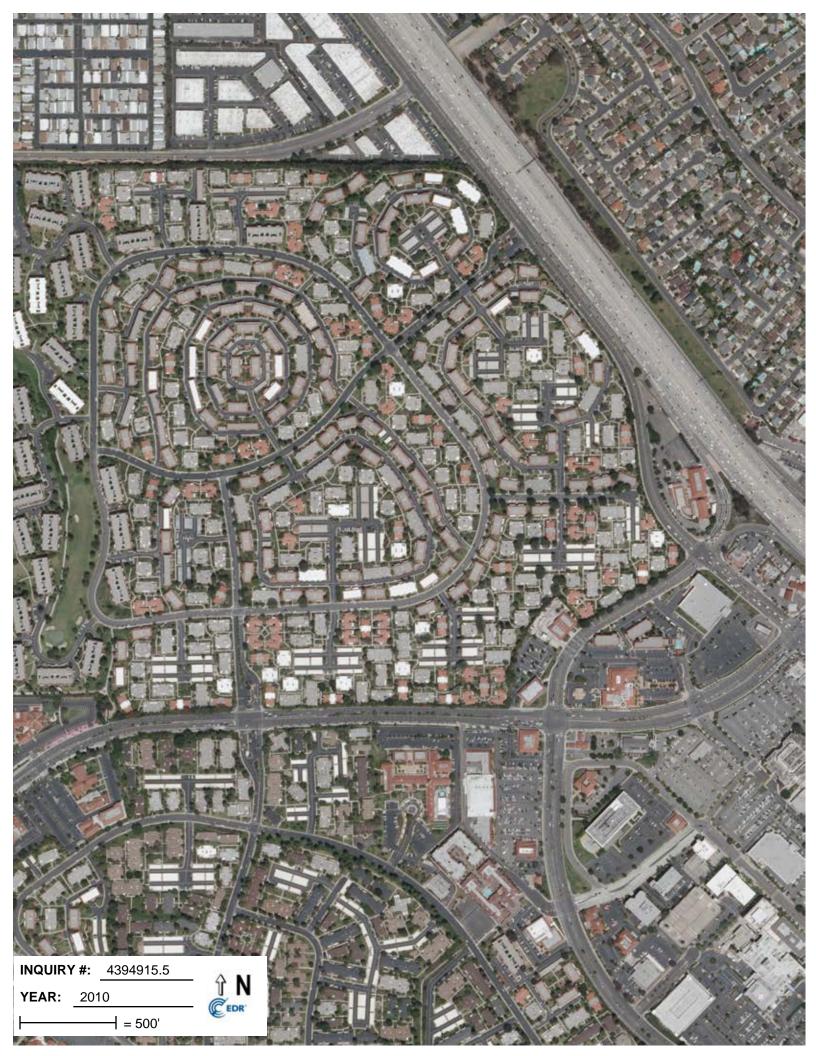


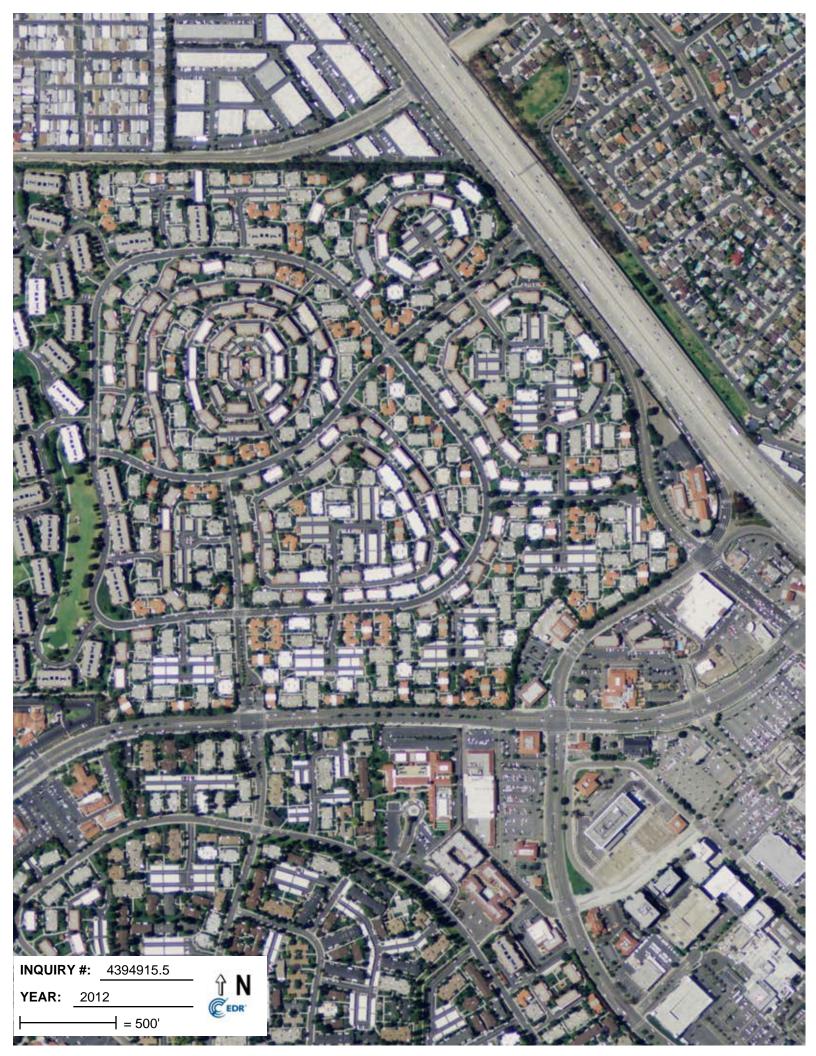


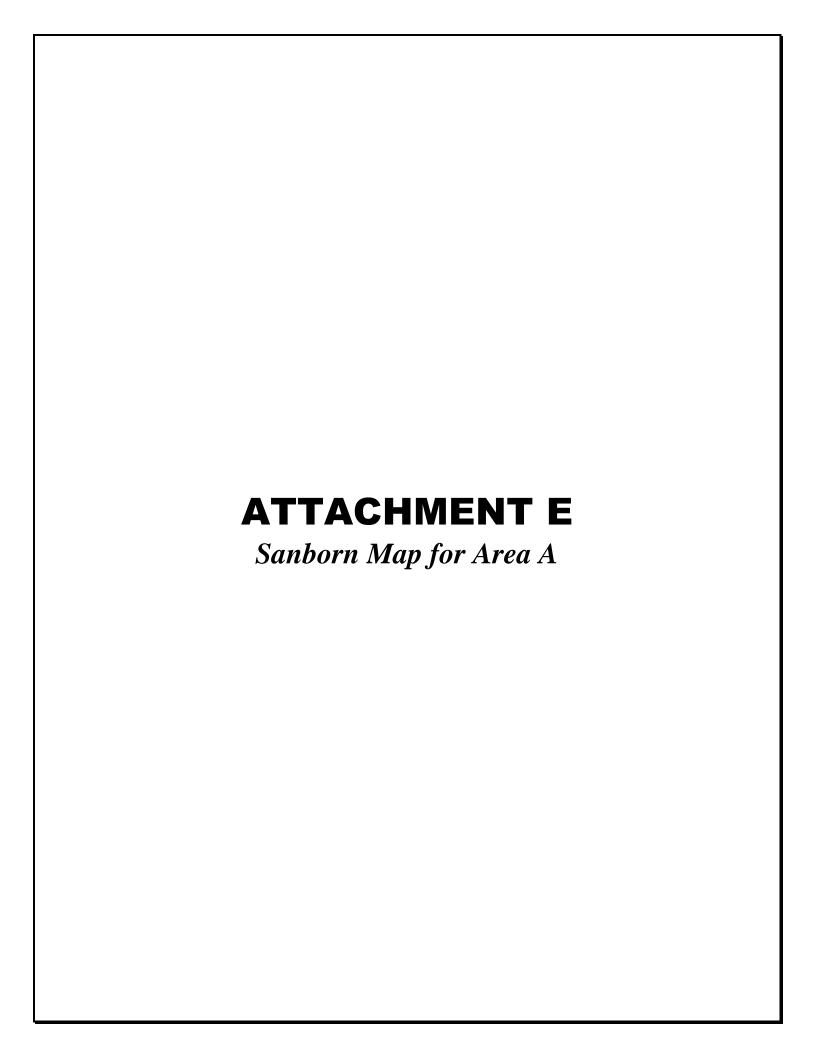












ETWD

EL TORO RD Laguna Woods, CA 92637

Inquiry Number: 4239977.3

March 20, 2015

Certified Sanborn® Map Report



Certified Sanborn® Map Report

3/20/15

Site Name: Client Name:

ETWD Dudek & Associates
EL TORO RD 605 Third Street
Laguna Woods, CA 92637 Encinitas, CA 92024

EDR Inquiry # 4239977.3 Contact: Khristina Leyba



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Site Name: ETWD

Address: EL TORO RD

City, State, Zip: Laguna Woods, CA 92637

Cross Street:

P.O. # 8840

Project: ETWD Hazards
Certification # 8F3A-49D5-918C

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Sanborn® Library search results Certification # 8F3A-49D5-918C

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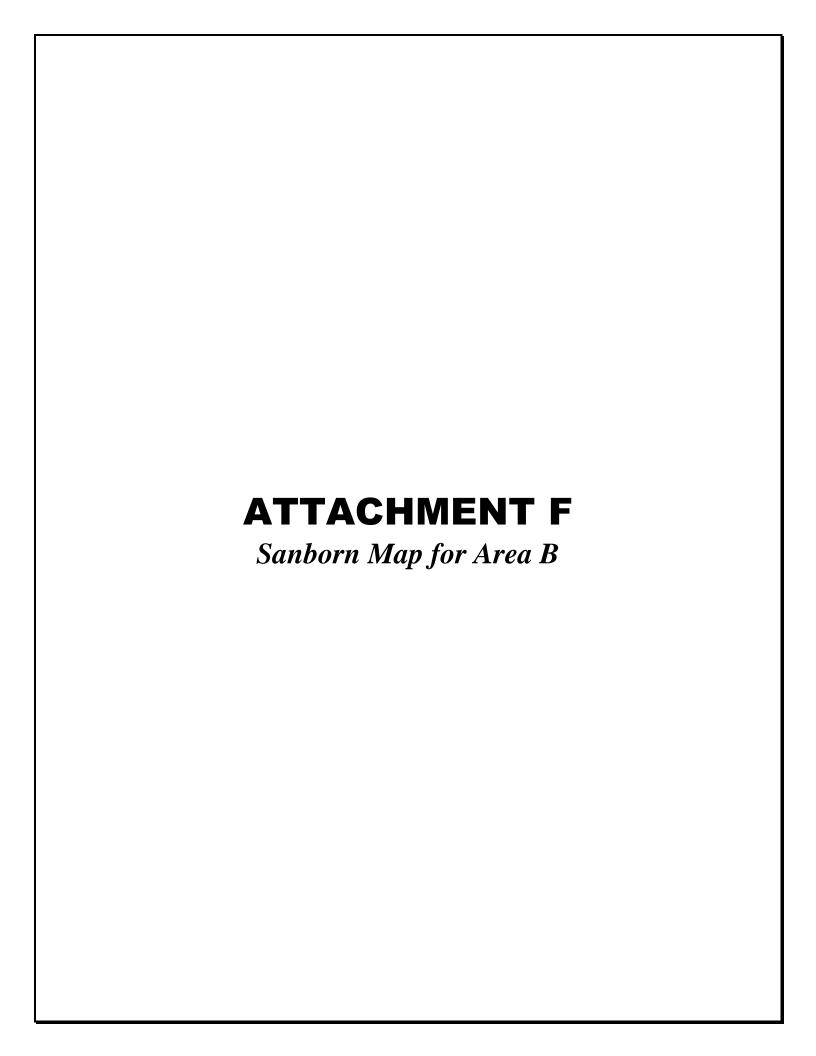
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ETWD - Phase II Expansion

EL TORO RD

Laguna Woods, CA 92637

Inquiry Number: 4394915.3

August 26, 2015

Certified Sanborn® Map Report



Certified Sanborn® Map Report

8/26/15

Site Name: Client Name:

ETWD - Phase II Expansion EL TORO RD

Laguna Woods, CA 92637

n Dudek & Associates 605 Third Street Encinitas, CA 92024

EDR Inquiry # 4394915.3 Contact: Khristina Leyba



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Certified Sanborn Results:

Site Name: ETWD - Phase II Expansion

Address: EL TORO RD

City, State, Zip: Laguna Woods, CA 92637

Cross Street:

P.O. # 8840-2 **Project**: ETWD

Certification # 7CDD-4308-B29B



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