

APPENDIX A

Notice of Preparation and Comment Letters

APPENDIX A NOTICE OF PREPARATION AND COMMENT LETTERS

Appendix A includes a copy of the Notice of Preparation and the comment letters received during the scoping period from June 8, 2016 through July 8, 2016. During the scoping period, 39 comment letters were received. These comment letters are presented chronologically by date and organized in the following order: Agencies (State, Regional, and Local), Non-Governmental Organizations, and Individuals. Table A-1 provide a list of the comment letters received.

**Table A-1
Index of NOP Comment Letters Received**

Commenter	Letter Date
<i>State Agencies</i>	
State Clearinghouse and Planning Unit (Scott Morgan, Director)	June 10, 2016
Department of Water Resources (David M. Samson, Division of Engineering)	July 7, 2016
Department of Transportation, District 8 (Mark Roberts, Office Chief)	July 8, 2016
<i>Regional Agencies</i>	
South Coast Air Quality Management District (SCAQMD) (Jillian Wong, Program Supervisor)	July 1, 2016
Southern California Association of Governments (Ping Chang, Acting Manager, Compliance and Performance Monitoring)	July 8, 2016
Riverside County Flood Control and Water Conservation District (Kevin Cunningham, Associate Engineer – Air/Water Quality Control)	July 11, 2016
<i>Local Agencies</i>	
City of Moreno Valley, Community Development Department – Planning Division (Mark Gross, Senior Planner)	June 29, 2016
<i>Non-Governmental Organizations</i>	
Friends of Northern San Jacinto Valley (Susan Nash, President)	June 15, 2016
Friends of Northern San Jacinto Valley (Tom Paulek, Conservation Chair and Susan Nash, President)	July 7, 2016
Friends of the Northern San Jacinto Valley (Susan Nash, President); Also includes comments from David Bramlet forwarded by Sue and included in same July 10 email	July 10, 2016
Golden Era Productions, Church of Scientology (Muriel Dufresne)	June 21, 2016
Endangered Habitats League (Dan Silver, Executive Director)	June 27 and 29, 2016
Tri-County Conservation League (Greg Ballmer, President)	June 30, 2016
San Bernardino Valley Audubon Society (Dave Goodward, Conservation Committee)	July 1, 2016
German Shorthaired Pointer Club of San Diego (Leita Estes, President)	July 2, 2016
California Native Plant Society, Riverside-San Bernardino Chapter (Fred M. Roberts, Chair)	July 7, 2016
Center for Biological Diversity (Ileene Anderson, Senior Scientist)	July 8, 2016
California Waterfowl Association (Jeffrey A. Volberg, Director of Water Law and Policy)	July 8, 2016
Sierra Club, San Gorgonio Chapter/Moreno Valley Group (George Hague, Conservation Chair)	July 8, 2016
<i>Individuals</i>	
Margaret Park	June 20, 2016
Eugene N. Anderson	June 28, 2016
Joseph Fass	June 30, 2016
Jered Karr	July 5, 2016

Table A-1
Index of NOP Comment Letters Received

Commenter	Letter Date
Katherine Klusky	July 5, 2016
Bhaskar Krishnamachari	July 5, 2016
Curtis Marantz	July 5, 2016
Rosedith Marx	July 5, 2016
Art and Sharon Raya	July 5, 2016
Christopher Taylor	July 5, 2016
Don White	July 5 and 9, 2016
Linda Freeman	July 6, 2016
Mark Hunter	July 6, 2016
Ron Cyger	July 6, 2016
John Green	July 7, 2016
Ann McKibben	July 7, 2016
Julie Szabo	July 7, 2016
Patrick Temple	July 8, 2016

Notice of Preparation
June 8, 2016



State of California – Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
Bermuda Dunes Field Office
78078 Country Club Drive, Suite 109
Bermuda Dunes, CA 92203
www.wildlife.ca.gov

EDMUND G. BROWN JR., Governor
CHARLTON H. BONHAM, Director



Notice of Preparation of a Draft Environmental Impact Report and Notice of Public Scoping Meetings

Date: June 6, 2016

To: Responsible/Trustee Agencies and Interested Parties

From: California Department of Fish and Wildlife

Subject: Notice of Preparation (NOP) of a Draft Environmental Impact Report for the San Jacinto Wildlife Area Land Management Plan Project and Notice of Public Scoping Meetings

NOP Public Review Period: June 8, 2016 to July 8, 2016

Public Scoping Meetings: June 15, 2016, 10:00 a.m. to 12:00 p.m. and 6:00 p.m. to 8:00 p.m.

A. Introduction

In accordance with Section 15063 of the California Environmental Quality Act (CEQA) Guidelines, the California Department of Fish and Wildlife (CDFW), as lead agency, will prepare a Draft Environmental Impact Report (EIR) for the proposed Land Management Plan (LMP) for the San Jacinto Wildlife Area (SJWA) (proposed project). As required by CEQA, this Notice of Preparation (NOP) is being sent to the Office of Planning and Research, responsible and trustee agencies and interested members of the public who submitted a request for such notices. The purpose of the NOP is to inform recipients that CDFW is beginning preparation of an EIR for the proposed project and to solicit comments concerning the scope and content of the environmental information which is germane to your agency's statutory responsibilities in connection with the proposed project. Information that will be most useful at this time would be descriptions of the significant environmental issues and reasonable alternatives and mitigation measures you would like to see explored in the Draft EIR.

This NOP includes background information on the project and the project location (Section B), the purpose of the LMP and a description of the proposed project (Section C), a summary of potential project impacts (Section D), time and location of the public scoping meeting (Section E), information on how to provide comments to CDFW (Section F), and where documents are available for public review (Section G).

Conserving California's Wildlife Since 1870

In accordance with the CEQA Guidelines (14 CCR 15082(b)), there will be a 30-day comment period for this NOP, beginning on June 8, 2016, and ending on July 8, 2016. The CDFW welcomes agency and public input during the public review period. In the event that no response or well-justified request for additional time is received from any responsible, federal, or trustee agency by the end of the review period, CDFW may presume that such agencies have no response.

B. Background and Project Location

B.1 Background

The San Jacinto Wildlife Area (SJWA) is one of the larger public land holdings in Southern California and is a highly visited recreational resource. Recognition of these lands as a valuable resource led to their preservation. In 1979, the lands were put aside as mitigation property for the State Water Project's (SWP's) wildlife losses in Southern California through execution of a Memorandum of Agreement between CDFW, the Department of Water Resources, and the Metropolitan Water District of Southern California. The mitigation actions were implemented pursuant to the Davis-Dowling Act of 1961, which includes the preservation and enhancement of wildlife and public recreation as purposes of the SWP. The agreement designated existing SWP lands for wildlife mitigation and provided funding for land acquisition, both of which contributed to the establishment of the SJWA. In 1982, the property was designated as a wildlife area by the California Fish and Game Commission. In the following years, areas within the wildlife area have been improved to enhance and enlarge wetland, riparian, upland, and other native habitats for the conservation of native species.

In addition, the SJWA provides recreational resources including waterfowl and upland small game hunting, bird watching, hiking, hunting dog training, horseback riding, nature study, photography, and mountain biking. Many of the recreational uses are supported by CDFW's active management of SJWA facilities, including wetland ponds and trails. The SJWA also supports a diverse array of biological resources, including habitats associated with the San Jacinto River floodplain and the San Jacinto foothill region. The SJWA is an important stop for a number of migratory birds along the Pacific flyway. The SJWA also provides significant conservation lands, including areas that are part of the Stephens' Kangaroo Rat Habitat Conservation Plan and the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). As such, it provides important conservation for a variety of special-status species that require the management of habitat conditions and monitoring. The SJWA has been managed by CDFW since its inception. The CDFW is currently managing the following resources/activities within the SJWA: wetlands, riparian areas, alkali areas, vernal pools, waterfowl habitat and hunting areas, Stephens' kangaroo rat, upland small game hunting, agriculture, hunting dog training, events that occur on the SJWA throughout the year, and any structures (restrooms, residences, office, etc.) that are on site.

The SJWA originally consisted only of the Davis Unit, with the first portion of the Davis Unit being acquired by the Wildlife Conservation Board in 1981 and 1982. Since the inception of the SJWA, the Potrero Unit was added in December 2003; the Western Riverside County MSHCP was created in 2004; and numerous other changes have occurred in the environment, therefore prompting the need to formalize the LMP for the SJWA.

B.2 Project Location

The SJWA project area is currently composed of approximately 20,126¹ acres of land located in Southern California within central Riverside County (Figure 1). The SJWA consists of three noncontiguous land areas: the Davis Unit (two land areas) and the Potrero Unit. The Davis Unit generally consists of approximately 10,996 acres in the San Jacinto River Valley. The larger portion of the Davis Unit is located east of Lake Perris, and a smaller portion of land is located west of Lake Perris. The Potrero Unit consists of approximately 9,130 acres in the foothills of the San Jacinto Mountains (also referred to as “the Badlands”).

Figure 2 depicts the boundaries of the SJWA. The Lake Perris State Recreation Area shares a boundary along the western edge of the Davis Unit. Most of the Davis Unit is located within unincorporated Riverside County, but a small portion of the northern edge of the Davis Unit is located within the incorporated City of Moreno Valley, which lies to the north and west of the Davis Unit. The cities of Hemet and San Jacinto are located to the east, and the unincorporated rural Riverside County communities of Lakeview and Nuevo are located south of the Davis Unit.

The Potrero Unit is located approximately 3 miles east of the Davis Unit. The vast majority of the Potrero Unit is located within the City of Beaumont, with a portion on the western edge located in unincorporated Riverside County. The Potrero Unit is bordered on the east by Bureau of Land Management land and to the southeast by the Soboba Indian Reservation. The Potrero Unit is located approximately 3 miles south of Interstate 10 (I-10), and portions of its western boundary are defined by State Highway 79 (SR-79) (also referred to as Lamb Canyon Road).

C. Project Description

C.1 Purpose of the Land Management Plan

CDFW has prepared the LMP to help guide its future planning and management operations for the SJWA. The general purpose of the SJWA is to protect and enhance habitat for plant and wildlife species and to provide the public with compatible, related recreational uses. The existing operation of the SJWA includes public uses, which are incorporated into the LMP. Public uses that would continue to be permitted under the LMP include waterfowl and upland game hunting,

¹ The 20,126 acres of the SJWA LMP includes adjacent and interstitial lands outside of the SJWA as part of this EIR analysis.

bird watching, hiking, hunting dog training, horseback riding, nature study, photography, and mountain biking. The specific purposes of the SJWA LMP are as follows:

1. To guide the management of habitats, species, and programs described herein to achieve the CDFW's mission to protect and enhance wildlife values.
2. To serve as a guide for appropriate wildlife-associated and other public uses of the property.
3. To serve as a descriptive inventory of fish, wildlife, and native plant habitats that occur on and use this property.
4. To provide an overview of the property's operation and maintenance and personnel requirements to implement management goals and objectives.
5. To provide a description of potential and actual environmental impacts and subsequent mitigation that may occur during management, and to provide environmental documentation to comply with state and federal statutes and regulations.

The LMP identifies goals and actions for the management of the SJWA, which are broadly designed to manage and enhance biological resources while providing wildlife-compatible public use. Management is categorized in three hierarchical levels: elements, goals, and tasks. The elements are the management categories or considerations; the goals identify the conditions management is designed to achieve; and tasks are the steps that will be taken to attain the goals. The management goals and actions of the SJWA LMP include biological and public uses.

C.2 Summary of Project Description

The proposed project consists of an LMP for the approximately 20,126²-acre SJWA, which is managed by CDFW. The LMP guides the management of habitats, species, and programs to achieve the CDFW's mission to protect and enhance wildlife values and serves as a guide for appropriate public uses of the property. The LMP provides an overview of the property's operation and maintenance and personnel requirements to implement management goals and objectives. The project is comprised of the following components that are new or increased activities as compared to the existing ongoing operation and maintenance activities:

- Proposed public uses incorporated into the LMP;
- Maintenance activities (e.g., habitat management and agricultural) to sustain the biological communities that provide habitat for wildlife and fisheries resources;
- Minor improvements, such as signage, access control and maintenance, and trails that do not involve substantial physical disruption of the wildlife area;
- Restoration and enhancement of alkali, wetland, upland, and riparian areas;

² The 20,126 acres of the SJWA LMP includes adjacent and interstitial lands outside of the SJWA as part of this EIR analysis.

- Maintenance of proposed structures and facilities;
- Monitoring and educational activities, including scientific research;
- Coordination with public agencies and private interest groups, consistent with the LMP goals;
- Dissemination of public information regarding the SJWA;
- Implementation and enforcement of applicable laws and regulations.

As shown in Figure 3, CDFW has divided the Davis and Potrero units into management subunits. Management subunits in the Davis Unit are labeled D1 through D15 and management subunits in the Potrero Unit are labeled P1 through P11. Table 1 summarizes the existing resource/management areas and ongoing associated activities, as well as proposed new or expanded existing resource/management areas and associated activities, expected to be actively managed in the near term (next 10 to 15 years). Table 1 also summarizes future potential resource/management areas and associated activities that could be actively managed in the long term (15 to 30 years) within the SJWA LMP, but currently there is no funding or specific project plans for these areas/activities. The EIR will consider the existing management areas/activities as the baseline conditions, and the proposed new or expanded management areas and activities as well as the future management areas/activities will be evaluated at a program-level analysis in the EIR.

Table 1
SJWA LMP Existing, Proposed Resource, and Future Potential Management Areas

Resource/Management Area	Existing		Proposed		Future Potential		Total
	Acres	Subunit Description ^a	Acres	Subunit Description ^a	Acres	Subunit Description ^a	
<i>Davis</i>							
Wetlands Habitat Management Areas	1,134	D4, 7, 9, 10, 13	882	D3, 4, 7, 9	582	D3, 4, 7, 11, 13	2,598
Riparian Habitat Management Areas	136	D3, 4, 7, 13	118	D3, 4, 5, 7, 11, 14	32	D3-4	286
Alkali Habitat Management Areas	—	—	1,738	D1, 3-5, 7-8, 10, 13	344	D1, 3-4, 7, 10, 13, 15	2,082
Waterfowl Habitat Areas	9	D7	47	D4	—	—	56
Waterfowl Hunting Areas	1,130	D4, 9, 10, 13	104	D4, 7	1,413	D1, 3-4, 7, 11, 13	2,647
SKR Management Areas	863	D1, 6-7, 12-13, 15	648	D1-3	1,262	D1, 3, 5-8, 12-15	2,773
Upland Habitat Management Areas			4,445	D1, 3-8, 10-15	2,559	D1-8, 11-13, 15	7,004
Upland Small Game Hunting Areas	6,478	D1-7, 10-13, 15	—	—	—	—	6,478
Agriculture Areas	1,304 ^b	D2, 4, 7, 11	269	D1, 3-4	858	D11, 13	1,648 ^b
Hunting Dog Training Areas	267	D13	220	D11	316	D7, 11	803
SJWA Events	995	D1-5, 7, 9-15	2,550	D1-11, 13	—	—	—
Facilities and Structures	225	D4, 8, 9	—	—	—	—	—

Table 1
SJWA LMP Existing, Proposed Resource, and Future Potential Management Areas

Resource/Management Area	Existing		Proposed		Future Potential		Total
	Acres	Subunit Description ^a	Acres	Subunit Description ^a	Acres	Subunit Description ^a	
Water Storage Project	—		275	D1-4	—	—	—
<i>Potrero</i>							
Wetlands Habitat Management Areas	—	—	7	P2, P6	—	—	7
Riparian Habitat Management Areas	—	—	202	P1-11	—	—	202
Alkali Habitat Management Areas	—	—	140	P2, 4-7, 9-11	7	P10, 11	147
SKR Management Areas	—	—	304	P5	335	P2-5	639
Upland Habitat Management Areas	—	—	7,343	P1-4, 7-11	1,672	P2, 5-8, 11	9,015
Upland Small Game Hunting Areas	—	—	1,506	P5, 6	5,734	P1-4, 7-8, 11	7,240
SJWA Events	1	P2	2,250	P1-11	—	—	—
Facilities and Structures	5	P2-5, 10	15	P2-5, 10	—	—	—

Notes:

^a Subunits listed represent primary locations for each resource. Areas of less than 2 acres in size may not be listed.

^b Agricultural uses are the only resource management area identified to be reduced from existing conditions. Of the 1,304 acres of existing agricultural areas, 783 acres would be discontinued, reducing agricultural uses, before the proposed projects are added, to 521 acres.

D. Potential Environmental Effects

The EIR will evaluate potential environmental effects of the proposed project. CDFW will propose mitigation measures to avoid and/or substantially lessen any significant adverse effects identified in the EIR’s impact analysis. The EIR will identify reasonable alternatives, compare the environmental impacts of the alternatives to those of the proposed project, and propose mitigation to avoid and/or reduce impacts deemed potentially significant.

No determinations have yet been made as to the significance of these potential impacts. Determinations will be made in the environmental analysis conducted in the EIR after the issues are considered thoroughly. Potential issues and impacts to the existing environment to be analyzed in the EIR include the following environmental topics:

- Aesthetics
- Agriculture and Forestry Resources
- Air Quality
- Biological Resources
- Cultural and Paleontological Resources

- Geology and Soils
- Greenhouse Gas Emissions
- Hazards/Hazardous Materials, Fire
- Hydrology and Water Quality
- Land Use and Planning
- Mineral Resources
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation and Traffic
- Utilities and Service Systems

The EIR will also address the cumulative environmental consequences of the proposed project in combination with other closely related past, present, and reasonably foreseeable probable future projects in the area. This will serve to satisfy CEQA requirements regarding regional cumulative effect concerns.

In compliance with the CEQA Guidelines (14 CCR 15126.6), the EIR will describe and evaluate the comparative merits of a reasonable range of alternatives to the proposed project. The EIR will also identify any alternatives that were considered but rejected by the lead agency as infeasible and briefly explain the reasons why. The EIR will provide an analysis of the No Project Alternative and will also identify the environmentally superior alternative. The alternatives to be analyzed in the EIR will be developed during the environmental review process and will consider input received during public scoping.

E. Public Scoping Meeting

Two public scoping meetings will be held by CDFW to inform interested parties about the proposed project, and to provide agencies and the public with an opportunity to provide written comments on the scope and content of the EIR. Both meetings will be held at the San Jacinto Wildlife Area, one in the morning and one in the evening. The meeting date, location and times are as follows:

Date:	June 15, 2016
Location:	San Jacinto Wildlife Area (warehouse) 17050 Davis Road, Lakeview, California 92567
Morning meeting:	10:00 a.m. to 12:00 p.m.
Evening meeting:	6:00 p.m. to 8:00 p.m.

The meeting space is accessible to persons with disabilities. Individuals needing special assistive devices will be accommodated to the best ability of CDFW. For more information, please contact Scott Sewell (see contact information in Table 2 CDFW San Jacinto Wildlife Area phone number) at least one week before the meeting.

Everyone is encouraged to attend a meeting to express their concerns about the proposed project and to offer suggestions regarding the project as proposed, including alternatives.

F. Providing Comments

At this time, the CDFW is soliciting information regarding the topics and alternatives that should be included in the EIR. Suggestions for submitting scoping comments are presented at the end of this section. Because of time limits mandated by state law, comments should be provided no later than July 8, 2016 (30-day comment period). Please send all comments to:

California Department of Fish and Wildlife

Attention: Eddy Konno, Senior Environmental Scientist

Mailing Address: 78078 Country Club Drive, Suite 109, Bermuda Dunes, California 92203

OR via Email: SanJacintoWLM@wildlife.ca.gov

(subject line: “**SJWA LMP NOP Scoping Comments**”)

You may submit comments in a variety of ways: (1) by U.S. mail, (2) by electronic mail (email), or (3) by attending a public scoping meeting and submitting written comments at that time. Comments provided by email should include “**SJWA LMP NOP Scoping Comments**” in the subject line, and the name and physical address of the commenter should be contained in the body of the email.

All comments on environmental issues received during the public comment period will be considered and addressed in the Draft EIR, which is anticipated to be available for public review in late 2016.

F.1 Suggestions for Effective Comments

Following are some suggestions for preparing and providing the most useful information for the EIR scoping process.

1. **Review the description of the project** (see Section C of this NOP and the maps provided (Figures 1–3)).
2. **Review the CEQA impact assessment questions** (see Attachment 1).

3. **Attend a scoping meeting** to get more information on the project and the environmental review process (see time and date in Section E). Ask questions and submit written comments either at the meeting or via mail or email (see Section F).
4. **Explain important issues** that the EIR should cover.
5. **Suggest mitigation measures** that avoid or reduce the potential impacts associated with the SJWA LMP.
6. **Suggest alternatives** that could avoid or reduce the impacts of the proposed project.

G. Location of Documents Available for Public Review

Table 2 indicates where hard copies of the Draft EIR will be available for public review:

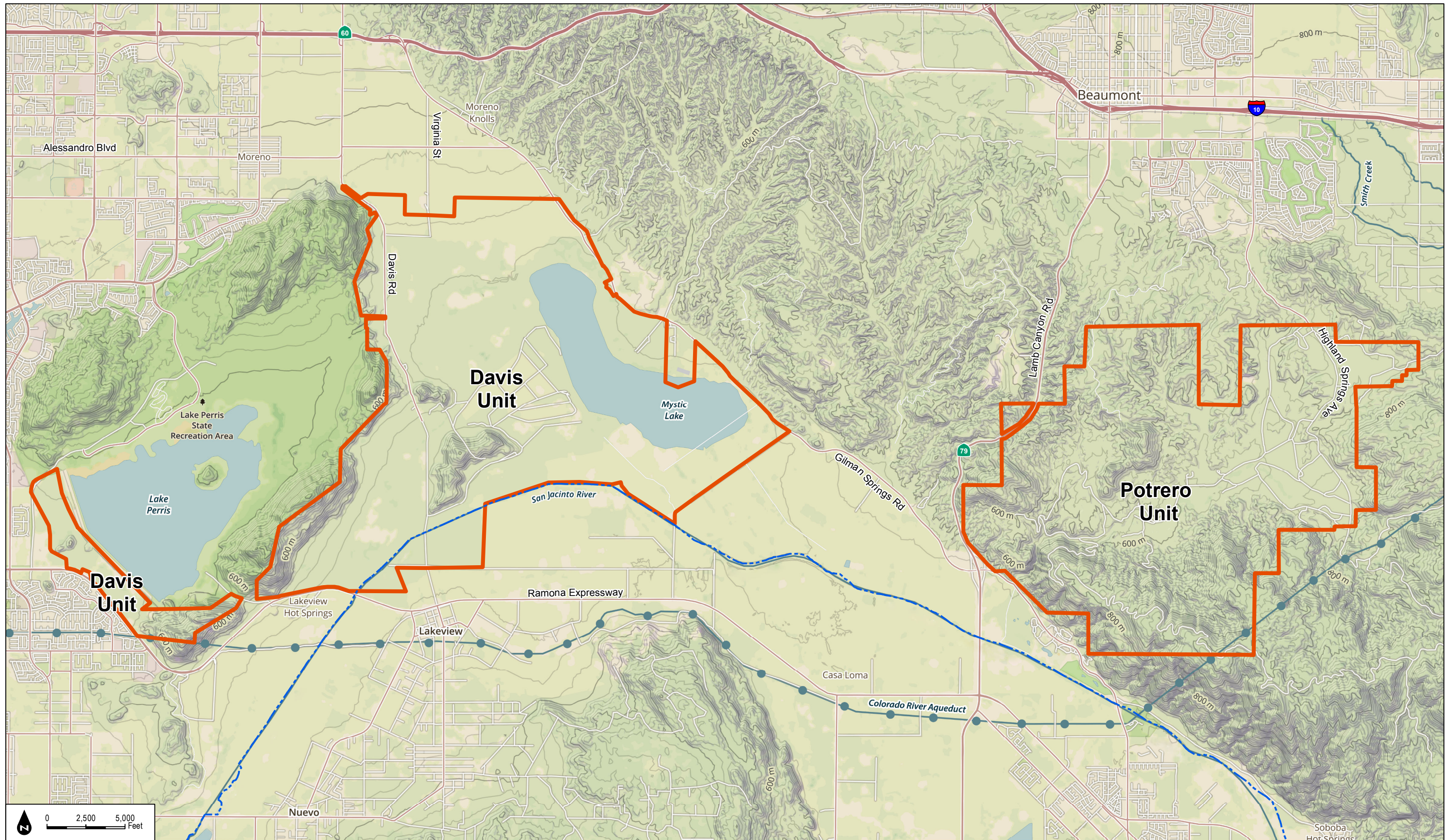
**Table 2
Repository Sites**

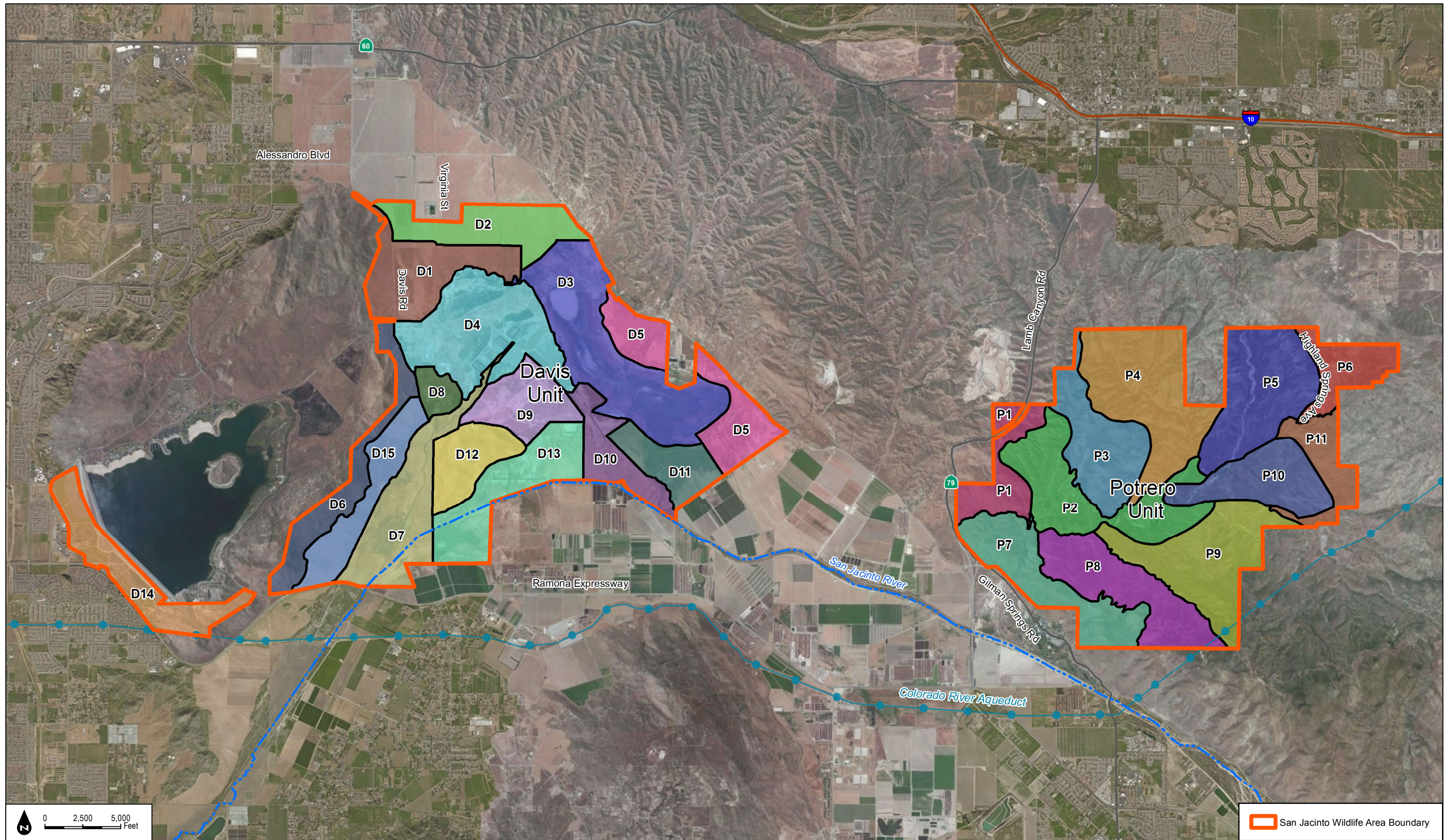
Site	Address	Telephone
CDFW San Jacinto Wildlife Area	17050 Davis Road Lakeview, California 92567	951.928.0580
CDFW Bermuda Dunes Office	78078 Country Club Drive, Suite 109, Bermuda Dunes, CA 92203	760.200.9158
Nuview Library	29990 Lakeview Avenue Nuevo, California 92567	951.928.0769
San Jacinto Library	500 Idyllwild Drive San Jacinto, California 92583	951.654.8635
Moreno Valley Public Library	25480 Alessandro Boulevard Moreno Valley, California 92553	951.413.3880
Perris Branch Library	163 E San Jacinto Avenue Perris, California 92570	951.657.2358
Beaumont Library District	125 E 8th Street Beaumont, California 92223	951.845.1357

When they become available, the Draft and Final Environmental Impact Reports will also be available for public review online at <https://www.wildlife.ca.gov/Notices>.



- Counties
- Major Freeways
- State Highways
- Water Bodies
- San Jacinto Wildlife Area Boundary





Attachment 1

Environmental Checklist

Following are the questions included in Appendix G of the California Environmental Quality Act (CEQA) Guidelines Environmental Checklist Form (California Code of Regulations, Section 15000 et seq.). These are issues that may be evaluated in an environmental impact report (EIR), if they are determined to be relevant to the project. This list is provided only to provide the reader with a general idea of the types of impacts that will be considered for the proposed project.

I. AESTHETICS. Would the project:

- Have a substantial adverse effect on a scenic vista?
- Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?
- Substantially degrade the existing visual character or quality of the site and its surroundings?
- Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

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

Would the project:

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

- Result in the loss of forest land or conversion of forest land to non-forest use?
- Involve other changes in the existing environmental 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?

III. AIR QUALITY. Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations.

Would the project:

- Conflict with or obstruct implementation of the applicable air quality plan?
- Violate any air quality standard or contribute substantially to an existing or projected air quality violation?
- 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)?
- Expose sensitive receptors to substantial pollutant concentrations?
- Create objectionable odors affecting a substantial number of people?

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

- Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?
- Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

V. CULTURAL AND PALEONTOLOGICAL RESOURCES. Would the project:

- Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?
- Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?
- Directly or indirectly destroy a unique paleontological resource or site unique geologic feature?
- Disturb any human remains, including those interred outside of formal cemeteries?

VI. GEOLOGY AND SOILS. Would the project:

- Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:
 - 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 the California Division of Mines and Geology Spec. Pub. 42)
 - Strong seismic groundshaking?
 - Seismic-related ground failure, including liquefaction?
 - Landslides?
- Result in substantial soil erosion or the loss of topsoil?
- 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?
- 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?
- 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 wastewater?

VII. GREENHOUSE GAS EMISSIONS. Would the project:

- Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

VIII. HAZARDS/HAZARDOUS MATERIALS, FIRE. Would the project:

- Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?
- 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?
- Emit hazardous emissions or handle hazardous or acutely hazardous material, substances, or waste within one-quarter mile of an existing or proposed school?
- Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?
- 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?
- 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?
- Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?
- 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?

IX. HYDROLOGY AND WATER QUALITY. Would the project:

- Violate any water quality standards or waste discharge requirements?
- 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?)

- 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?
- 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 or surface runoff in a manner which would result in flooding on- or off-site?
- 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?
- Otherwise substantially degrade water quality?
- 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?
- Place within a 100-year flood hazard area structures which would impede or redirect flood flows?
- 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?
- Inundation by seiche, tsunami, or mudflow?

X. LAND USE AND PLANNING. Would the project:

- Physically divide an established community?
- 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?
- Conflict with any applicable habitat conservation plan or natural community conservation plan?

XI. MINERAL RESOURCES. 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?
- 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:

- 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?

- Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?
- A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?
- A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without 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 expose people residing or working in the project area to excessive noise levels?
- 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:

- Induce substantial population growth in an area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through extensions of roads or other infrastructure)?
- Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?
- Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

XIV. PUBLIC SERVICES.

- Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:
 - Fire protection?
 - Police Protection?
 - Schools?
 - Parks?
 - Other public facilities?

XV. RECREATION. 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?
- 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:

- 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 paths, and mass transit?
- 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?
- 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?
- Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?
- Result in inadequate emergency access?
- Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

XVII. UTILITIES AND SERVICES SYSTEMS. Would the project:

- Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?
- 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?
- Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?
- Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

- 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?
- Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?
- Comply with federal, state, and local statutes and regulations related to solid waste?

XVIII. MANDATORY FINDINGS OF SIGNIFICANCE:

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

Notice of Preparation Comment Letters



STATE OF CALIFORNIA
GOVERNOR'S OFFICE of PLANNING AND RESEARCH
 STATE CLEARINGHOUSE AND PLANNING UNIT



EDMUND G. BROWN JR.
 GOVERNOR

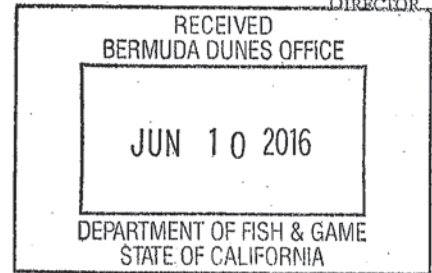
KEN ALEX
 DIRECTOR

Notice of Preparation

June 8, 2016

To: Reviewing Agencies

Re: San Jacinto Wildlife Area (SJWA) Land Management Plan Project
 SCH# 2016061018



Attached for your review and comment is the Notice of Preparation (NOP) for the San Jacinto Wildlife Area (SJWA) Land Management Plan Project draft Environmental Impact Report (EIR).

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

Please direct your comments to:

Eddy Konno
 California Department of Fish and Wildlife, Region 6
 78078 Country Club, Suite 109
 Bermuda Dunes, CA 92203

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

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

Sincerely,

Scott Morgan
 Director, State Clearinghouse

Attachments
 cc: Lead Agency

**Document Details Report
State Clearinghouse Data Base**

SCH# 2016061018
Project Title San Jacinto Wildlife Area (SJWA) Land Management Plan Project
Lead Agency Fish & Wildlife #6

Type NOP Notice of Preparation
Description CDFW has prepared the LMP to help guide its future planning and management operations for the SJWA. The general purpose of the SJWA is to protect and enhance habitat for plant and wildlife species and to provide the public with compatible, related recreational uses. The existing operation of the SJWA includes public uses, which are incorporated into the LMP. Public uses that would continue to be permitted under the LMP included waterfowl and upland game hunting, bird watching, hiking, hunting dog training, horseback riding, nature study, photography, and mountain biking.

The proposed project consists of an LMP for the approx. 20,126-acre SJWA, which is managed by CDFW. The LMP guides the management of habitats, species, and programs to achieve the CDFW's mission to protect and enhance wildlife values and serves as a guide for appropriate public uses of the property. The LMP provides an overview of the property's operation and maintenance and personnel requirements to implement management goals and objectives.

Lead Agency Contact

Name Eddy Konno
Agency California Department of Fish and Wildlife, Region 6
Phone 760-200-9174 **Fax**
email
Address 78078 Country Club, Suite 109
City Bermuda Dunes **State** CA **Zip** 92203

Project Location

County Riverside
City Beaumont, Perris, San Jacinto, Moreno Valley
Region
Cross Streets Davis Rd. and W. countour Rd.
Lat / Long
Parcel No. Mutliple
Township Many **Range** Many **Section** Many **Base** Many

Proximity to:

Highways SR-60, SR-79
Airports
Railways
Waterways Mystic Lake, San Jacinto River, San Diego Aqueduct, Colorado River Aqueduct, Lake Perris
Schools
Land Use PLU: San Jacinto Wildlife Area, Open Space Conservation
 Zoning: Open Space Conservation
 General Plan Designation: Open sSpace Conservation, Recreation and Conservation

Project Issues Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Flood Plain/Flooding; Forest Land/Fire Hazard; Geologic/Seismic; Minerals; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Soil Erosion/Compaction/Grading; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian; Wildlife; Landuse; Cumulative Effects; Other Issues

Reviewing Agencies Resources Agency; Colorado River Board; Department of Parks and Recreation; Department of Water Resources; Native American Heritage Commission; State Lands Commission; California Highway Patrol; Caltrans, District 8; Air Resources Board; Air Resources Board, Transportation Projects; Regional Water Quality Control Board, Region 8; California Department of Justice, Attorney General's

Document Details Report
State Clearinghouse Data Base

Office

Date Received 06/08/2016 *Start of Review* 06/08/2016 *End of Review* 07/07/2016

Notice of Completion & Environmental Document Transmittal

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

SCH #

Project Title: San Jacinto Wildlife Area (SJWA) Land Management Plan Project
Lead Agency: California Department of Fish and Wildlife (CDFW)
Street Address: 78078 Country Club Drive, Suite 109
City: Bermuda Dunes Zip: 92203
Contact Person: Eddy Konno
Phone: 760-200-9174
County: Riverside

Project Location:
County: Riverside County and City of Beaumont
Total Acres: approximately 20,126
Assessor's Parcel No. Multiple Section: Multiple Twp: Multiple Range: Multiple Base: Multiple
Within 2 Miles State Hwy # SR-60, SR-79 Waterways: Mystic Lake, San Jacinto River, San Diego Aqueduct, Colorado River Aqueduct, Lake Perris
Airports: N/A Railways: N/A Schools: N/A

Document Type:
CEQA: [X] NOP [] Supplement/Subsequent EIR [] Early Cons [] Neg Dec [] Draft EIR
NEPA: [] NOI [] EA [] Draft EIS [] FONSI
Other: [] Joint Document [] Final Document [] Other
Governor's Office of Planning & Research JUN 08 2016

STATE CLEARINGHOUSE

Local Action Type:
[] General Plan Update [] Specific Plan [] Rezone [] Annexation
[] General Plan Amendment [] Master Plan [] Prezone [] Redevelopment
[] General Plan Element [] Planned Unit Development [] Use Permit [] Coastal Permit
[] Community Plan [] Site Plan [] Land Division (Subdivision, etc.) [X] Other: CDFW: Land Management Plan

Development Type:
[] Residential: Units _____ Acres: _____
[] Office: Sq.ft. _____ Acres: _____ Employees _____
[] Commercial: Sq.ft. _____ Acres: _____ Employees _____
[] Industrial: Sq.ft. _____ Acres: _____ Employees _____
[] Educational: _____
[] Recreational: _____
[] Water Facilities: Type _____ MDG _____
[] Transportation: Type _____
[] Mining: Mineral _____
[] Power: Type _____
[] Waste Treatment: Type _____
[] Hazardous Waste Type _____
[X] Other: Preparation of a LMP by the CDFW for the SJWA in order to protect and enhance habitat for plant and wildlife species and to provide the public with compatible, related recreational uses.

Funding (approx.): Federal \$ To be Determined State \$ To be Determined Total \$ To be Determined

Project Issues Discussed in Document:
[X] Aesthetic/visual [X] Flood Plain/Flooding [] Schools/Universities [X] Water Quality
[X] Agricultural Land [X] Forest Land/Fire Hazard [] Septic Systems [X] Water Supply/Groundwater
[X] Air Quality [X] Geologic/Seismic [] Sewer Capacity [X] Wetland/Riparian
[X] Archeological/Historical [X] Minerals [X] Soil Erosion/Compaction/Grading [X] Wildlife
[] Coastal Zone [X] Noise [] Solid Waste [X] Growth Inducing
[X] Drainage/Absorption [X] Population/Housing Balance [X] Toxic/Hazardous [X] Land Use
[] Economic/Jobs [X] Public Services/Facilities [X] Traffic/Circulation [X] Cumulative Effects
[] Fiscal [X] Recreation/Parks [X] Vegetation [X] Other Greenhouse Gas Emissions

Present Land Use/Zoning/General Plan Designation:
Present Land Use: San Jacinto Wildlife Area, Open Space Conservation
Zoning: Open Space Conservation
General Plan Designation: Open Space Conservation, Recreation and Conservation

NOP Distribution List

County: RIVERSIDE

SCH#

2016061018

Resources Agency

Resources Agency
Nadell Gayou

Dept. of Boating & Waterways
Denise Peterson

California Coastal Commission
Elizabeth A. Fuchs

Colorado River Board
Lisa Johansen

Dept. of Conservation
Elizabeth Carpenter

California Energy Commission
Eric Knight

Cal Fire
Dan Foster

Central Valley Flood Protection Board
James Herota

Office of Historic Preservation
Ron Parsons

Dept of Parks & Recreation
Environmental Stewardship Section

California Department of Resources, Recycling & Recovery
Sue O'Leary

S.F. Bay Conservation & Dev't. Comm.
Steve McAdam

Dept. of Water Resources
Resources Agency
Nadell Gayou

Fish and Game

Depart. of Fish & Wildlife
Scott Flint
Environmental Services Division

Fish & Wildlife Region 1
Curt Babcock

Fish & Wildlife Region 1E
Laurie Harnsberger

Fish & Wildlife Region 2
Jeff Drongesen

Fish & Wildlife Region 3
Craig Weightman

Fish & Wildlife Region 4
Julie Vance

Fish & Wildlife Region 5
Leslie Newton-Reed
Habitat Conservation Program

Fish & Wildlife Region 6
Tiffany Ellis
Habitat Conservation Program

Fish & Wildlife Region 6 I/M
Heidi Calvert
Inyo/Mono, Habitat Conservation Program

Dept. of Fish & Wildlife Marine Region
Becky Ota

Other Departments

Food & Agriculture
Sandra Schubert
Dept. of Food and Agriculture

Depart. of General Services
Public School Construction

Dept. of General Services
Cathy Buck/George Carollo
Environmental Services Section

Delta Stewardship Council
Kevan Samsam

Housing & Comm. Dev.
CEQA Coordinator
Housing Policy Division

Independent Commissions, Boards

Delta Protection Commission
Michael Machado

OES (Office of Emergency Services)
Monique Wilber

Native American Heritage Comm.
Debbie Treadway

Public Utilities Commission
Supervisor

Santa Monica Bay Restoration
Guangyu Wang

State Lands Commission
Jennifer Deleong

Tahoe Regional Planning Agency (TRPA)
Cherry Jacques

Cal State Transportation Agency CalSTA

Caltrans - Division of Aeronautics
Philip Crimmins

Caltrans - Planning
HQ LD-IGR
Terri Pencovic

California Highway Patrol
Suzann Ikeuchi
Office of Special Projects

Dept. of Transportation

Caltrans, District 1
Rex Jackman

Caltrans, District 2
Marcelino Gonzalez

Caltrans, District 3
Eric Federicks - South
Susan Zanchi - North

Caltrans, District 4
Patricia Maurice

Caltrans, District 5
Larry Newland

Caltrans, District 6
Michael Navarro

Caltrans, District 7
Dianna Watson

Caltrans, District 8
Mark Roberts

Caltrans, District 9
Gayle Rosander

Caltrans, District 10
Tom Dumas

Caltrans, District 11
Jacob Armstrong

Caltrans, District 12
Maureen El Harake

Cal EPA

Air Resources Board

Airport & Freight
Cathi Slaminski

Transportation Projects
Nesamani Kalandiyur

Industrial/Energy Projects
Mike Tollstrup

State Water Resources Control Board
Regional Programs Unit
Division of Financial Assistance

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

State Water Resources Control Board
Div. Drinking Water # _____

State Water Resources Control Board
Student Intern, 401 Water Quality Certification Unit
Division of Water Quality

State Water Resources Control Board
Phil Crader
Division of Water Rights

Dept. of Toxic Substances Control
CEQA Tracking Center

Department of Pesticide Regulation
CEQA Coordinator

Regional Water Quality Control Board (RWQCB)

RWQCB 1
Cathleen Hudson
North Coast Region (1)

RWQCB 2
Environmental Document Coordinator
San Francisco Bay Region (2)

RWQCB 3
Central Coast Region (3)

RWQCB 4
Teresa Rodgers
Los Angeles Region (4)

RWQCB 5S
Central Valley Region (5)

RWQCB 5F
Central Valley Region (5)
Fresno Branch Office

RWQCB 5R
Central Valley Region (5)
Redding Branch Office

RWQCB 6
Lahontan Region (6)

RWQCB 6V
Lahontan Region (6)
Victorville Branch Office

RWQCB 7
Colorado River Basin Region (7)

RWQCB 8
Santa Ana Region (8)

RWQCB 9
San Diego Region (9)

Other Attorney General

Conservancy

Date July 7, 2016

June 17, 2016

Eddy Konno
California Department of Fish and Wildlife, Region 6
78078 Country Club, Suite 109
Bermuda Dunes, CA 92203

Notice of Preparation, Four cities including City of Perris, San Jacinto Wildlife Area Land Management Plan Project, Riverside County, Davis Unit D14 of Lake Perris Recreation Area, Southern Field Division, SCH 2016061018

Dear Mr. Konno:

Thank you for the opportunity to review and comment on the Notice of Preparation, four cities including City of Perris, San Jacinto Wildlife Area (SJWA) Land Management Plan Project, Riverside County. The proposed project consists of a Land Management Plan (LMP) for approximately 20,126 acres within the SJWA, managed by California Department of Fish and Wildlife (CDFW). The plan proposes to manage habitats, species, and programs to protect and enhance wildlife values.

CDFW proposes a plan to enhance and manage a riparian zone in the smaller subunit of Davis Unit zone D14, identified in Figure 3 of the Management Subunits map. Zone D14 runs along the entire base of Lake Perris Dam.

The entire area of Zone D14 is currently under construction, as part of DWR's Perris Dam Remediation Project, with a planned construction schedule ending in 2018. In addition, there are also other projects underway that will also need to be taken in to consideration, all of which have the potential for impacting your proposed project. Therefore, Subunit D14 will have to remain closed for the duration of the planned construction of DWR facilities.

http://www.water.ca.gov/lakeperris/seismic_remediation_process.cfm

These projects may require amending existing agreements or may require an encroachment permit issued by DWR. Some of the issues that raise concern for DWR are:

- Ability to access and maintain wells, support structures, vaults, dam, rip rap; as well as anything associated with dam and lake operations or maintenance.
- DWR has active environmental monitoring plans and also provides treatment to Lake Perris for vegetative species. Other restrictions such as helicopter no fly zones have been created for areas where nesting birds are known.
- Redirecting of wildlife to DWR lands, due to your project at buildout.

Any proposed enhancements from your project that will impact DWR facilities, shall be reviewed and approved by DWR prior to construction.

Please submit for review and approval by DWR the following: procedures, enhancement plans, schedules and type and weight of construction equipment to be used for creating the proposed riparian zone.

Information regarding regulations governing encroachments on State Water Project right-of-way, as well as forms for submitting an application for an encroachment permit to DWR can be found at:

http://www.water.ca.gov/engineering/Services/Real_Estate/Encroach_Rel/

Please provide DWR with a copy of any subsequent environmental documentation when it becomes available for public review. Any future correspondence relating to this proposed project shall be sent to:

Leroy Ellinghouse, Chief
SWP Right-of-Way Management Section
Division of Operations and Maintenance
Department of Water Resources
1416 Ninth Street, Room 650-24
Sacramento, California 95814

If you have any questions, please contact Leroy Ellinghouse, Chief of the SWP Right-of-Way Management Section, at (916) 659-7168 or Angelo Garcia, Jr. at (916) 653-7911.

Sincerely,

David M. Samson
Division of Engineering
Department of Water Resources

cc: State Clearinghouse
Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, California 95814

DEPARTMENT OF TRANSPORTATION

DISTRICT 8

PLANNING (MS 725)

464 WEST 4th STREET, 6th FLOOR

SAN BERNARDINO, CA 92401-1400

PHONE (909) 388-4557

FAX (909) 383-5936

TTY 711

www.dot.ca.gov/dist8

*Serious Drought.
Help save water!*

July 8, 2016

File: 08-Riv-79-PM 36.624

Mr. Eddy Konno
Senior Environmental Scientist
California Department of Fish and Wildlife
Region 6
78078 Country Club, Suite 109
Bermuda Dunes, CA 92203

San Jacinto Wildlife Area Land Management Plan

Mr. Konno,

The California Department of Transportation (Caltrans) has completed our review of the Notice of Preparation of a Draft Environmental Impact Report (NOP) for the above mentioned project. The project is located in central Riverside County and consists approximately 20,126 acres of land within three areas including the Davis Unit and Potrero Unit; the Potrero Unit is located in the foothills of the San Jacinto Mountains with portions surrounding State Route 79. The project is a plan to protect and enhance habitat for plant and wildlife species and to provide the public with recreational opportunities.

As the owner and operator of the State Highway System (SHS), it is our responsibility to coordinate and consult with local jurisdictions when proposed development may impact our facilities. As the responsible agency under the California Environmental Quality Act (CEQA), it is also our responsibility to make recommendations to offset associated impacts with the proposed project. Although the project is under the jurisdiction of the California Department of Fish and Wildlife (CDFW), due to the Project's potential impact to State facilities, it is also subject to the policies and regulations that govern the SHS.

We have the following recommendations for the Environmental Impact Report:

Wildlife Connectivity:

We recommend provision of a wildlife crossing in the Potrero Unit to connect the fragment of P1 on the west side of SR 79 to the east side of SR 79. Caltrans has designed several new wildlife crossings into the proposed SR 60 Truck Lanes Project to provide for wildlife movement in the Badlands, which has connections to lands within Lamb Canyon and the San Jacinto Wildlife Area, Davis and Potrero Units.

Mr. Konno
July 8, 2016
Page 2

Since implementation of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP), there has been a greater emphasis placed on restoring wildlife connectivity along highway facilities. As opportunities arise, such as improvements to the State and County road network, we will therefore analyze when improvements to connectivity can be achieved.

Thank you for the opportunity to review the NOP for the San Jacinto Wildlife Area Land Management Plan. If you have any questions regarding this letter, please contact Dustin Foster at (909) 806-3955 or myself at (909) 383-4557 for assistance.

Sincerely,

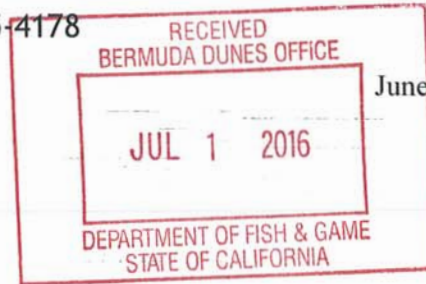
A handwritten signature in cursive script that reads "Mark Roberts". The signature is written in black ink and includes a long horizontal flourish extending to the right.

MARK ROBERTS
Office Chief
Community and Regional Planning



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov



June 28, 2016

SanJacintoWLM@wildlife.ca.gov

Eddy Konno, Senior Environmental Scientist
California Department of Fish and Wildlife
78078 Country Club Dr., Suite 109
Bermuda Dunes, CA 92203

Notice of Preparation of a CEQA Document for the San Jacinto Wildlife Area Land Management Plan

The South Coast Air Quality Management District (SCAQMD) staff appreciates the opportunity to comment on the above-mentioned document. The SCAQMD staff's comments are recommendations regarding the analysis of potential air quality impacts from the proposed project that should be included in the Draft EIR. Please send the SCAQMD a copy of the CEQA document upon its completion. Note that copies of the Draft EIR that are submitted to the State Clearinghouse are not forwarded to the SCAQMD. Please forward a copy of the Draft EIR directly to SCAQMD at the address in our letterhead. **In addition, please send with the Draft EIR all appendices or technical documents related to the air quality and greenhouse gas analyses and electronic versions of all air quality modeling and health risk assessment files. These include original emission calculation spreadsheets and modeling files (not Adobe PDF files). Without all files and supporting air quality documentation, the SCAQMD will be unable to complete its review of the air quality analysis in a timely manner. Any delays in providing all supporting air quality documentation will require additional time for review beyond the end of the comment period.**

Air Quality Analysis

The SCAQMD adopted its California Environmental Quality Act (CEQA) Air Quality Handbook in 1993 to assist other public agencies with the preparation of air quality analyses. The SCAQMD recommends that the Lead Agency use this Handbook as guidance when preparing its air quality analysis. Copies of the Handbook are available from the SCAQMD's Subscription Services Department by calling (909) 396-3720. More recent guidance developed since this Handbook was published is also available on SCAQMD's website here: [http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-\(1993\)](http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993)). SCAQMD staff also recommends that the Lead Agency use the CalEEMod land use emissions software. This software has recently been updated to incorporate up-to-date state and locally approved emission factors and methodologies for estimating pollutant emissions from typical land use development. CalEEMod is the only software model maintained by the California Air Pollution Control Officers Association (CAPCOA) and replaces the now outdated URBEMIS. This model is available free of charge at: www.caleemod.com.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the project and all air pollutant sources related to the project. Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, that is, sources that generate or attract vehicular trips should be included in the analysis.

The SCAQMD has also developed both regional and localized significance thresholds. The SCAQMD staff requests that the lead agency quantify criteria pollutant emissions and compare the results to the recommended regional significance thresholds found here: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf>. In addition to analyzing regional air quality impacts, the SCAQMD staff recommends calculating localized air quality impacts and comparing the results to localized significance thresholds (LSTs). LSTs can be used in addition to the recommended regional significance thresholds as a second indication of air quality impacts when preparing a Draft EIR. Therefore, when preparing the air quality analysis for the proposed project, it is recommended that the lead

agency perform a localized analysis by either using the LSTs developed by the SCAQMD or performing dispersion modeling as necessary. Guidance for performing a localized air quality analysis can be found at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds>.

In the event that the proposed project generates or attracts vehicular trips, especially heavy-duty diesel-fueled vehicles, it is recommended that the lead agency perform a mobile source health risk assessment. Guidance for performing a mobile source health risk assessment ("*Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*") can be found at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis>. An analysis of all toxic air contaminant impacts due to the use of equipment potentially generating such air pollutants should also be included.

In addition, guidance on siting incompatible land uses (such as placing homes near freeways) can be found in the California Air Resources Board's *Air Quality and Land Use Handbook: A Community Perspective*, which can be found at the following internet address: <http://www.arb.ca.gov/ch/handbook.pdf>. CARB's Land Use Handbook is a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process.

Mitigation Measures

In the event that the project generates significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized during project construction and operation to minimize or eliminate these impacts. Pursuant to CEQA Guidelines §15126.4 (a)(1)(D), any impacts resulting from mitigation measures must also be discussed. Several resources are available to assist the Lead Agency with identifying possible mitigation measures for the project, including:

- Chapter 11 of the SCAQMD *CEQA Air Quality Handbook*
- SCAQMD's CEQA web pages at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mitigation-measures-and-control-efficiencies>.
- CAPCOA's *Quantifying Greenhouse Gas Mitigation Measures* available here: <http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf>.
- SCAQMD's Rule 403 – Fugitive Dust, and the Implementation Handbook for controlling construction-related emissions
- Other measures to reduce air quality impacts from land use projects can be found in the SCAQMD's Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning. This document can be found at the following internet address: <http://www.aqmd.gov/docs/default-source/planning/air-quality-guidance/complete-guidance-document.pdf>.

Data Sources

SCAQMD rules and relevant air quality reports and data are available by calling the SCAQMD's Public Information Center at (909) 396-2039. Much of the information available through the Public Information Center is also available via the SCAQMD's webpage (<http://www.aqmd.gov>).

The SCAQMD staff is available to work with the Lead Agency to ensure that project emissions are accurately evaluated and mitigated where feasible. If you have any questions regarding this letter, please contact me at jcheng@aqmd.gov or call me at (909) 396-2448.

Sincerely,

Jillian Wong

Jillian Wong, Ph.D.
Program Supervisor
Planning, Rule Development & Area Sources

JC:JW
RVC160616-01
Control Number



July 8, 2016

Mr. Eddy Konno, Senior Environmental Scientist
State of California – Natural Resources Agency
Department of Fish and Wildlife, Bermuda Dunes Field Office
78078 Country Club Drive, Suite 109
Bermuda Dunes, California 92203
E-mail: SanJacintoWLM@wildlife.ca.gov

RE: SCAG Comments on the Notice of Preparation of a Draft Environmental Impact Report for the San Jacinto Wildlife Area Land Management Plan Project [SCAG NO. IGR8900]

Main Office
818 West 7th Street
12th Floor
Los Angeles, California
90017-3435
t (213) 236-1800
f (213) 236-1825
www.scag.ca.gov

Dear Mr. Konno,

Thank you for submitting the Notice of Preparation of a Draft Environmental Impact Report for the San Jacinto Wildlife Area Land Management Plan Project ("proposed project") to the Southern California Association of Governments (SCAG) for review and comment. SCAG is the authorized regional agency for Inter-Governmental Review (IGR) of programs proposed for Federal financial assistance and direct Federal development activities, pursuant to Presidential Executive Order 12372. Additionally, SCAG reviews the Environmental Impact Reports of projects of regional significance for consistency with regional plans pursuant to the California Environmental Quality Act (CEQA) and CEQA Guidelines.

Officers

President
Michele Martinez, Santa Ana

First Vice President
Margaret E. Finlay, Duarte

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Alan Wapner, San Bernardino
Associated Governments

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Cheryl Viegas-Walker, El Centro

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Michele Martinez, Santa Ana

Policy Committee Chairs

Community, Economic and
Human Development
Bill Jahn, Big Bear Lake

Energy & Environment
Carmen Ramirez, Oxnard

Transportation
Barbara Messina, Alhambra

SCAG is also the designated Regional Transportation Planning Agency under state law, and is responsible for preparation of the Regional Transportation Plan (RTP) including the Sustainable Communities Strategy (SCS) pursuant to Senate Bill (SB) 375. As the clearinghouse for regionally significant projects per Executive Order 12372, SCAG reviews the consistency of local plans, projects, and programs with regional plans.¹ Guidance provided by these reviews is intended to assist local agencies such as local jurisdictions and project proponents to take actions that help contribute to the attainment of the regional goals and policies in the RTP/SCS.

SCAG staff has reviewed the Notice of Preparation of a Draft Environmental Impact Report for the San Jacinto Wildlife Area Land Management Plan Project in Riverside County. The proposed project includes three non-contiguous land areas, the Davis Unit (two land areas) and the Potrero Unit on a total of 20,126 acres of land. The general purpose of the proposed project is to protect and enhance habitat for plant and wildlife species and to provide the public with compatible, related recreational uses.

When available, please send environmental documentation to SCAG's office in Los Angeles or by email to sunl@scag.ca.gov providing, at a minimum, the full public comment period for review. If you have any questions regarding the attached comments, please contact the Inter-Governmental Review (IGR) Program, attn.: Lijin Sun, Senior Regional Planner, at (213) 236-1882 or sunl@scag.ca.gov. Thank you.

Sincerely,

Ping Chang
Acting Manager, Compliance and Performance Monitoring

¹ Lead agencies such as local jurisdictions have the sole discretion in determining a local project's consistency with the 2016 RTP/SCS for the purpose of determining consistency for CEQA. Any "consistency" finding by SCAG pursuant to the IGR process should not be construed as a determination of consistency with the 2016 RTP/SCS for CEQA.

**COMMENTS ON THE NOTICE OF PREPARATION OF A
DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE
SAN JACINTO WILDLIFE AREA LAND MANAGEMENT PLAN PROJECT
[SCAG NO. IGR8900]**

CONSISTENCY WITH RTP/SCS

SCAG reviews environmental documents for regionally significant projects for their consistency with the adopted RTP/SCS. For the purpose of determining consistency with CEQA, lead agencies such as local jurisdictions have the sole discretion in determining a local project's consistency with the RTP/SCS.

2016 RTP/SCS GOALS

The SCAG Regional Council adopted the 2016 RTP/SCS in April 2016. The 2016 RTP/SCS seeks to improve mobility, promote sustainability, facilitate economic development and preserve the quality of life for the residents in the region. The long-range visioning plan balances future mobility and housing needs with goals for the environment, the regional economy, social equity and environmental justice, and public health (see <http://scagrtpscscs.net/Pages/FINAL2016RTPSCS.aspx>). The goals included in the 2016 RTP/SCS may be pertinent to the proposed project. These goals are meant to provide guidance for considering the proposed project within the context of regional goals and policies. Among the relevant goals of the 2016 RTP/SCS are the following:

SCAG 2016 RTP/SCS GOALS	
RTP/SCS G1:	<i>Align the plan investments and policies with improving regional economic development and competitiveness</i>
RTP/SCS G2:	<i>Maximize mobility and accessibility for all people and goods in the region</i>
RTP/SCS G3:	<i>Ensure travel safety and reliability for all people and goods in the region</i>
RTP/SCS G4:	<i>Preserve and ensure a sustainable regional transportation system</i>
RTP/SCS G5:	<i>Maximize the productivity of our transportation system</i>
RTP/SCS G6:	<i>Protect the environment and health for our residents by improving air quality and encouraging active transportation (e.g., bicycling and walking)</i>
RTP/SCS G7:	<i>Actively encourage and create incentives for energy efficiency, where possible</i>
RTP/SCS G8:	<i>Encourage land use and growth patterns that facilitate transit and active transportation</i>
RTP/SCS G9:	<i>Maximize the security of the regional transportation system through improved system monitoring, rapid recovery planning, and coordination with other security agencies*</i>

*SCAG does not yet have an agreed-upon security performance measure.

For ease of review, we encourage the use of a side-by-side comparison of SCAG goals with discussions of the consistency, non-consistency or non-applicability of the goals and supportive analysis in a table format. Suggested format is as follows:

SCAG 2016 RTP/SCS GOALS	
Goal	Analysis
RTP/SCS G1: <i>Align the plan investments and policies with improving regional economic development and competitiveness</i>	<i>Consistent: Statement as to why; Not-Consistent: Statement as to why; Or Not Applicable: Statement as to why; DEIR page number reference</i>
RTP/SCS G2: <i>Maximize mobility and accessibility for all people and goods in the region</i>	<i>Consistent: Statement as to why; Not-Consistent: Statement as to why; Or Not Applicable: Statement as to why; DEIR page number reference</i>
etc.	etc.

2016 RTP/SCS STRATEGIES

To achieve the goals of the 2016 RTP/SCS, a wide range of land use and transportation strategies are included in the 2016 RTP/SCS. Technical appendances of the 2016 RTP/SCS provide additional supporting information in detail. To view the 2016 RTP/SCS, please visit: <http://scagrtpscs.net/Pages/FINAL2016RTPSCS.aspx>. The 2016 RTP/SCS builds upon the progress from the 2012 RTP/SCS and continues to focus on integrated, coordinated, and balanced planning for land use and transportation that the SCAG region strives toward a more sustainable region, while the region meets and exceeds in meeting all of applicable statutory requirements pertinent to the 2016 RTP/SCS. These strategies within the regional context are provided as guidance for lead agencies such as local jurisdictions when the proposed project is under consideration.

DEMOGRAPHICS AND GROWTH FORECASTS

Local input plays an important role in developing a reasonable growth forecast for the 2016 RTP/SCS. SCAG used a bottom-up local review and input process and engaged local jurisdictions in establishing the base geographic and socioeconomic projections including population, household and employment. At the time of this letter, the most recently adopted SCAG jurisdictional-level growth forecasts that were developed in accordance with the bottom-up local review and input process consist of the 2020, 2035, and 2040 population, households and employment forecasts. To view them, please visit <http://www.scag.ca.gov/Documents/2016GrowthForecastByJurisdiction.pdf>. The growth forecasts for the region and applicable jurisdictions are below.

	Adopted SCAG Region Wide Forecasts			Adopted County of Riverside Forecasts		
	Year 2020	Year 2035	Year 2040	Year 2020	Year 2035	Year 2040
Population	19,663,000	22,091,000	22,138,800	2,479,800	3,055,100	3,183,700
Households	6,458,000	7,325,000	7,412,300	802,400	1,009,000	1,054,300
Employment	8,414,000	9,441,000	9,871,500	848,700	1,111,800	1,174,300

MITIGATION MEASURES

SCAG staff recommends that you review the Final Program Environmental Impact Report (Final PEIR) for the 2016 RTP/SCS for guidance, as appropriate. SCAG's Regional Council certified the Final PEIR and adopted the associated Findings of Fact and a Statement of Overriding Considerations (FOF/SOC) and Mitigation Monitoring and Reporting Program (MMRP) on April 7, 2016 (please see: <http://scagrtpscs.net/Pages/FINAL2016PEIR.aspx>). The Final PEIR includes a list of project-level performance standards-based mitigation measures that may be considered for adoption and implementation by lead, responsible, or trustee agencies in the region, as applicable and feasible. Project-level mitigation measures are within responsibility, authority, and/or jurisdiction of project-implementing agency or other public agency serving as lead agency under CEQA in subsequent project- and site- specific design, CEQA review, and decision-making processes, to meet the performance standards for each of the CEQA resource categories.

From: [Cunningham, Kevin](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Cc: [Flanigan, Kris](#)
Subject: SJWA LMP NOP Scoping Comments
Date: Monday, July 11, 2016 11:43:33 AM
Attachments: [image001.png](#)
[image003.png](#)

Dear Mr. Komo,

This email is written in response to the Notice of Preparation for the San Jacinto Wildlife Area Land Management Plan Project Draft Environmental Impact Report. The Riverside County Flood Control and Water Conservation District (District) has reviewed the NOP and has the following comments:

1. As noted in the NOP, one of the main purposes of the Land Management Plan is to protect and enhance habitat for plant and wildlife species. It should be noted that the District's is currently working on the San Jacinto River Levee Stage 4 project which will include a mitigation project. The mitigation project proposes enhancements within the San Jacinto River for the benefit of riparian habitat as well as Los Angeles Pocket Mouse. As this mitigation site is located between the Potrero Unit and the Davis Unit, some consideration could be given to the District's mitigation site to help connect the two units. A plan that considers a more contiguous approach would allow for better management of existing biological resources in the area.
2. The District has several projects and facilities throughout the San Jacinto River Basin that may be impacted by the project. Please be sure to address how the project will impact the District's existing easements and/or rights of way and facilities along the San Jacinto River as well as projects in the area including the upcoming San Jacinto River Levee Stage 4 project. Please contact the District for more information.
3. It should be noted that the District was involved with the feasibility study for the San Jacinto Gap project that was prepared by the San Jacinto River Watershed Council in 2007. The study looked at alternatives to convey San Jacinto River flows from the downstream end of the San Jacinto River Levee Stage 4 project to Mystic Lake which would be within the Davis Unit of the LMP. A copy of the feasibility study can be obtained from the District.

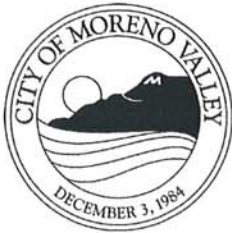
Thank you for the opportunity to review the Notice of Preparation for the San Jacinto Wildlife Area Land Management Plan Project Draft Environmental Impact Report. For our record keeping purposes, we request that you acknowledge receipt of this email. If you have any further questions concerning this letter, please feel free to contact me at the number provided below, or Kris Flanigan at 951.955.8581.

Thank you,

Kevin Cunningham
Associate Engineer – Air/Water Quality Control
Environmental Regulatory Services 2
Riverside County Flood Control
& Water Conservation District

Office: 951.955.1526

Fax: 951.788.9965



June 23, 2016



**Community Development Department
Planning Division**
14177 Frederick Street
P. O. Box 88005
Moreno Valley CA 92552-0805
Telephone: 951.413-3206
FAX: 951.413-3210

California Department of Fish and Wildlife
Attention: Eddy Konno, Senior Environmental Scientist
78078 Country Club Drive, Suite 109
23301 Dracaea Avenue
Bermuda Dunes, CA 92203

Re: Comments on a Notice of Preparation for a Draft Environmental Impact Report-
San Jacinto Wildlife Area Land Management Plan Project

Dear Mr. Konno:

The City of Moreno Valley appreciates the opportunity to review and comment on the Notice of Preparation (NOP) to prepare a Draft Environmental Impact Report (DEIR) for the San Jacinto Wildlife Area Land Management Plan Project.

The San Jacinto Wildlife Agency (SJWA) lies adjacent to and within the southeastern portion of the City of Moreno Valley city limits. The proposed project is in close proximity to existing industrial land and the recently approved World Logistics Center project, which is located immediately to the north of the SJWA .

In reviewing the limited information currently provided on the project scope and environmental determination, the City only understands that the project is comprised of the following items that are new or of increased activity as compared to the existing ongoing operation and maintenance activities. This includes:

- Proposed Public Uses incorporated into the Land Management Plan (LMP);
- Maintenance activities to sustain the biological communities that provide habitat for wildlife and fisheries resources;
- Minor improvements such as signage, access control and maintenance and trails that do not involve substantial physical disruption of the wildlife area;
- Restoration and enhancement of alkali, wetland, upland, and riparian areas;
- Maintenance of proposed structures and facilities;
- Monitoring of education activities, including scientific research;
- Coordination with public agencies and private interest groups, consistent with LMP goals;
- Dissemination of public information regarding the SJWA; and
- Implementation and enforcement of applicable laws and regulations

A primary concern that the City has with the NOP is that it does not highlight or evaluate potential environmental impacts that may be associated with the project. California Environmental Quality Act Guidelines Section 15082 "Notice of Preparation and Determination of Scope of an EIR" states that "probable environmental effects of the project shall be provided." On Page 6 of the NOP, all potential categories contained within a DEIR, including aesthetics, agricultural, air quality, biological resources, cultural resources, geology/soils, greenhouse gas emissions, hazards, hydrology/water quality, land use/planning, mineral resources, noise, population/housing, public services, recreation, transportation/traffic and utilities were not evaluated to any degree in the NOP. The document states, "no determinations have yet been made as to the significance of these potential impacts" and, "determinations will be made in the environmental analysis conducted in the EIR after the issues are thoroughly considered." A completed initial study would have better evaluated impacts and narrowed the potential impact list down to only those impacts that would be considered a significant impact and would have provided details that a DEIR is the correct environmental document to prepare for the proposed project.

The following comments and concerns are offered for your consideration as the processing and completion of the DEIR progresses:

- A site plan depicting site improvements and proposed structure placement was not provided within the NOP packet. When available, the City would like to review a more detailed site plan of existing and proposed conditions to properly access the project site improvements and any potential related impacts.
- Public uses will be incorporated into the SJWA Plan. However, the document does not provided information as to what these proposed public uses will be and where they will be located. The DEIR would require specific details on public uses.
- Maintenance activities will occur to sustain the biological communities that provide habitat for wildlife and fisheries resources. It is not certain what these maintenance activities would consist of, and this information should be highlighted in the DEIR.
- Minor improvements such as signage, access control and trails are proposed within the wildlife area. Details have not been provided as to where these items are proposed within the SJWA, and shall be addressed in detail within the DEIR document.
- The proposed project will include the restoration and enhancement of alkali, wetland, upland, and riparian areas. The materials provided do not highlight where this proposed restoration will be taking place within the SJWA. The DEIR shall include detailed information on restoration and enhancement efforts within the SJWA.

- The proposed project will include maintenance of proposed structures and facilities within the SJWA. The materials and maps provided in the NOP do not adequately provide details on what the proposed structures and facilities will include, or where they will be located within the SJWA. The DEIR shall thoroughly address all proposed structures within the SJWA.
- Potential environmental impacts to trigger a DEIR are not defined or identified within the NOP. All potential environmental effects of the project shall be thoroughly evaluated within the DEIR document, including detailed biological and land use studies. All potential environmental impacts and appropriate feasible mitigation measures must be included in the DEIR document.

The City of Moreno Valley looks forward for the opportunity to review additional information on project scope and potential environmental impacts that may be associated with the proposed SJWA project. The City would also request to review the completed DEIR and corresponding response to NOP comments once the document becomes available. Please include the City on any mailing lists related to the draft and final environmental documents as well as for future notifications of meetings/public hearings associated with the project.

Should you have any questions or concerns, please contact me at (951) 413-3215.

Sincerely,



Mark Gross, AICP
Senior Planner

c: Allen D. Brock, Community Development Director
Richard J. Sandzimier, Planning Official
Claudia Manrique, Associate Planner



P.O. BOX 88005
MORENO VALLEY, CA 92552-0805
WWW.MOVAL.ORG

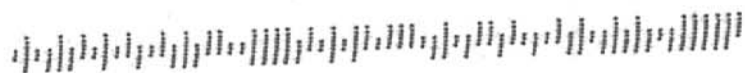
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ZIP 92551
041M11275519
411

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE
ATTN: EDDY KONNO, SENIOR ENVIRONMENTAL SCIENTIST
78078 COUNTY CLUB DRIVE, SUITE 109
BERMUDA DUNES, CA 92203

92203-817434





CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE



San Jacinto Wildlife Area Land Management Plan
Scoping for the Draft Environmental Impact Report

Name: Susan Nash (please print) Valley
Organization (if any): Friends of the Northern San Jacinto
Do you have authorization to represent this Organization? Yes: [x] No: []
Address: P.O. Box 4266
City, State, Zip: Idyllwild CA 92549
E-mail: smash22@earthlink. Telephone: 909-228-6710

Written Comments
(please print)

- 1 include section 7 consult on conservation easement duck clubs.
2 copies of CD's available upon request of man. plan.
3 DFG promised to include CEQA of water project in this man. plan

Please note: Comments, including personal information, become public information and may be released to interested parties if requested.

Written Comment Form

Please either deposit this sheet in the basket at the sign-in table before you leave today, or submit via as described below. Attach additional sheets if needed.

Comments may also be submitted by one of the following methods:

- 1) Send written comments to Eddy Konno at:

California Department of Fish and Wildlife
Attn: Eddy Konno
78078 Country Club Drive, Suite 109
Bermuda Dunes, California, 92203

- 2) Send an email to: SanJacintoWLM@wildlife.ca.gov and please have the subject line of emails read "SJWA NOP Scoping Comments."

Notice of Preparation (NOP) and Land Management Plan (LMP) Available at:

Location	Address
CDFW – San Jacinto Wildlife Area	17050 Davis Road, Lakeview, CA 92567
CDFW – Bermuda Dunes Field Office	78078 Country Club Drive, Suite 109, Bermuda Dunes, CA 92203
CDFW – Project Website	https://www.wildlife.ca.gov/Notices

NOP Available at:

Location	Address
Nuview Library	29990 Lakeview Ave., Nuevo, CA 92567
Moreno Valley Library	25480 Alessandro Blvd., Moreno Valley, CA 92553
Perris Branch Library	163 E San Jacinto Ave., Perris, CA 92570
San Jacinto Library	500 Idyllwild Drive, San Jacinto, CA 92583
Beaumont Library District	125 E 8th Street, Beaumont, CA 92223

All comments must be received by July 8, 2016.

Other opportunity for public input will occur during Draft EIR review period, anticipated in late 2016.

Please note that your address, phone number, e-mail address, or other personal identifying information in your comment, is part of your entire comment. Your personal identifying information may be made publicly available at any time. While you can ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so.

FRIENDS OF NORTHERN SAN JACINTO VALLEY
POST OFFICE BOX 4036
IDYLLWILD, CALIFORNIA 92549
July 5, 2016



California Department of Fish and Game
Attention: Eddy Konno, Senior Environmental Scientist
78078 Country Club Drive, Suite 109
Bermuda Dunes, California 92203

Re: Notice of Preparation (NOP) of a Draft Environmental Impact Report (Draft EIR) for the San Jacinto Wildlife Area Land Management Plan Project.

We have reviewed the Notice of Preparation (NOP) and Draft SJWA Management Plan and are objecting to the incomplete consideration of a number of significant issues requiring analysis in the Draft EIR.


ATTACHMENT #1 list the MSHCP Covered Species of plants and animals (72) presently occurring on the SJWA and subject to CEQA Guideline section 15065 – Mandatory Finding of Significance.


ATTACHMENT #2 provides a copy of the 1987 Agreement for the Reclaimed Water Supply for the San Jacinto Wildlife Area between the California Department of Fish and Game (now CDFW) and Eastern Municipal Water District (EMWD).

ATTACHMENT #3 is the proposed EMWD Draft Agreement presented at the April, 2014 public meeting reducing the allocation of reclaimed water to SJWA and eliminating the State (public) Reserve Capacity (20 AF/DAY) in the pipeline bringing reclaimed water to the SJWA. The two documents contradict the inaccurate presentation presented in the Draft Management Plan concerning the renewal of the 1987 SJWA Reclaimed Water Contract and needs to be corrected in the Draft EIR.

ATTACHMENT #4 is the Friends November 16, 2015 comment letter on the proposed Remedial Action Plan (RAP) for Potrero Canyon (SCH 2014091006) and the November 18, 2003 State Wildlife Conservation Board (WCB) Minutes regarding the acquisition of the Potrero property from Lockheed Martin Corps. These documents concern the ongoing clean up of the Potrero public lands being conducted by the California Department of Toxic Substances Control (DTSC). The Draft EIR needs to appropriately consider these significant issues/impacts concerning the Potrero Unit of the SJWA.

Thank you for the opportunity to provide input regarding this important wildlife conservation project and please be sure to notify the Friends of the availability of the Draft EIR.


Tom Paulek
Conservation Chair


Susan Nash
President

ATTACHMENT #1

**FRIENDS OF THE NORTHERN SAN JACINTO VALLEY
 LIST OF COVERED PLANT AND ANIMAL SPECIES [JULY, 2016]
 WESTERN RIVERSIDE COUNTY MULTIPLE SPECIES HABITAT CONSERVATION PLAN
 [MSHCP – 2004]
 SAN JACINTO WILDLIFE AREA (SJWA)
 [10,996 ACRE SJWA DAVIS UNIT AND 9,130 ACRE POTRERO UNIT]
 SUBJECT TO CEQA GUIDELINE § 15065**

1] American bittern	<i>Botaurus lentiginosus</i>
2] American peregrine falcon	<i>Falco peregrinus anatum</i>
3] Arroyo toad	<i>Anaxyrus californicus</i>
4] Bald eagle	<i>Haliaeetus leucocephalus</i>
5] Bell's sage sparrow	<i>Artemisiospiza belli belli</i>
6] Black-crowned night heron	<i>Nycticorax nycticorax</i>
7] Bobcat	<i>Lynx rufus</i>
8] Burrowing owl	<i>Athene cunicularia</i>
9] California horned lark	<i>Eremophila alpestris actia</i>
10] Coast horned lizard	<i>Phrynosoma blainvillii</i>
11] Coastal cactus wren	<i>Campylorhynchus brunneicapillus cousei</i>
12] Coastal California gnatcatcher	<i>Polioptila californica californica</i>
13] Coastal western whiptail	<i>Aspidoscelis tigris stejnegeri</i>
14] Cooper's hawk	<i>Accipiter cooperii</i>
15] Coulter's goldfields	<i>Lasthenia glabrata coulteri</i>
16] Coyote	<i>Canis latrans</i>
17] Davidson's saltscale	<i>Atriplex serenana var davidsonii</i>
18] Double-crested cormorant	<i>Phalacrocorax auritus</i>
19] Downy woodpecker	<i>Picoides pubescens</i>
20] Dulzura kangaroo rat	<i>Dipodomys simulans</i>
21] Englemann oak	<i>Quercus engelmannii</i>
22] Ferruginous hawk	<i>Buteo regalis</i>
23] Golden eagle	<i>Aquila chrysaetos</i>
24] Granite night lizard	<i>Xantusia henshawi henshawi</i>
25] Granite spiny lizard	<i>Sceloporus orcutti</i>
26] Grasshopper sparrow	<i>Ammodramus savannarum</i>
27] Great blue heron	<i>Ardea herodias</i>
28] Jaeger's milk-vetch	<i>Astragalus pachypus var. intermedius</i>
29] Least Bell's vireo	<i>Vireo belli pusillus</i>
30] Lincoln's sparrow	<i>Melospiza lincolnii</i>
31] Loggerhead shrike	<i>Lanius ludovicianus</i>
32] Long-tailed weasel	<i>Mustela frenata</i>
33] Los Angeles pocket mouse	<i>Perognathus longimembris brevinasus</i>
34] Macgillivray's warbler	<i>Oporornis tolmiei</i>
35] Merlin	<i>Falco columbarius</i>
36] Moran's navarretia	<i>Navarretia fossalis</i>
37] Mountain lion	<i>Puma concolor</i>

Page 2 – MSHCP Covered Species San Jacinto Wildlife Area

38] Mountain plover	<i>Charadrius montanus</i>
39] Mud nama	<i>Nama stenocarpum</i>
40] Nashville warbler	<i>Vermivora ruficapilla</i>
41] Northern harrier	<i>Circus cyaneus</i>
42] San Diego pocket mouse	<i>Chaetodipus fallax fallax</i>
43] Orangethroat whiptail	<i>Aspidoscelis hyperrythra</i>
44] Osprey	<i>Pandion haliaetus</i>
45] Parry's spineflower	<i>Chorizanthe parryi</i> var. <i>parryi</i>
46] Plummer's mariposa lily	<i>Calochortus plummerae</i>
47] Prairie falcon	<i>Falco mexicanus</i>
48] Purple Martin	<i>Progne subis</i>
49] Red-diamond rattlesnake	<i>Crotalus ruber</i>
50] San Bernardino kangaroo rat	<i>Dipodomys merriami parvus</i>
51] San Diego black-tailed jackrabbit	<i>Lepus californicus bennettii</i>
52] San Diego desert woodrat	<i>Neotoma lepida intermedia</i>
53] San Jacinto Valley crowscale	<i>Atriplex coronate</i> var. <i>notatior</i>
54] Sharp-shinned hawk	<i>Accipitar striatus</i>
55] Smooth tarplant	<i>Centromadia pungens</i> ssp. <i>laevis</i>
56] Southern California rufous-crowned sparrow	<i>Aimophila ruficeps canescens</i>
57] Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>
58] Stephens' kangaroo rat	<i>Dipodomys stephensi</i>
59] Swainson's hawk	<i>Buteo swainsoni</i>
60] Thread-leaved brodiaea	<i>Brodiaea filifolia</i>
61] Tree swallow	<i>Tachycineta bicolor</i>
62] Tricolored blackbird	<i>Agelaius tricolor</i>
63] Turkey vulture	<i>Cathartes aura</i>
64] Vernal barley	<i>Hordeum intercedens</i>
65] Western Spadefoot	<i>Spea hammondii</i>
66] Western yellow-billed cuckoo	<i>Coccyzus americanus occidentalis</i>
67] White-faced ibis	<i>Plegadis chihi</i>
68] White-tailed kite	<i>Elanus leucurus</i>
69] Wilson's warbler	<i>Wilsonia pusilla</i>
70] Wright's trichocoronis	<i>Trichocoronis wrightii</i> var. <i>wrightii</i>
71] Yellow warbler	<i>Dendroica petechia brewsteri</i>
72] Yucaipa onion	<i>Allium marvinii</i>

ATTACHMENT #2

322425

WHEN RECORDED MAIL

Department of Fish and Game
Wildlife Conservation Board
1416 Ninth Street
Sacramento, CA 95814

Requested By:

RECEIVED

NOV 30 1987

RECEIVED FOR RECORD

AT NEW CLOCK AM

NOV 10 1987

Recorded in Official Records
of Riverside County, California
W. J. Schmitt
RECORDED

110,3

This is to certify that this document is presented & recorded by the State of California under Government Code Section 6100 and is necessary to complete the chain of title of the State to property acquired by the State of California.

E.M.W.D.

AGREEMENT BETWEEN STATE OF CALIFORNIA,
DEPARTMENT OF FISH AND GAME, AND EASTERN MUNICIPAL WATER DISTRICT
FOR THE SAN JACINTO WILDLIFE AREA
RECLAIMED WATER SUPPLY PROJECT

W. J. Schmitt

THIS AGREEMENT, made and entered into this 18th day of August, 1987, by and between the State of California, Department of Fish and Game, acting by and through its duly appointed and acting Director of Department of Fish and Game, hereinafter called the State, and Eastern Municipal Water District, a Public Agency of the State of California within the county of Riverside, hereinafter called the District:

WITNESSETH

WHEREAS, the State owns and manages the San Jacinto Wildlife Area within the boundaries of the District; and,

WHEREAS, the State has agreed to develop and manage the wildlife area as mitigation for wildlife losses from construction of the State Water Project in Southern California; and

WHEREAS, the State realizes that long term resource and public benefits will result from the development of the wildlife area; and,

WHEREAS, to develop and manage the wildlife area the State must obtain an adequate, dependable and affordable source of water; and,

WHEREAS, the District operates and maintains a water reclamation plant which produces large quantities of reclaimed water; and,

WHEREAS, the District has a need for areas that can provide long term assurance that large quantities of reclaimed water can and will be used for approved beneficial programs; and,

WHEREAS, it is in the best interest of the State and the District to cooperatively develop a reclaimed water delivery system and in so doing assure a wildlife area water supply for the State and water disposal sites for the District.

NOW THEREFORE, it is agreed as follows:

The State and the District desire to complete a cooperative project for the construction and operation of a reclaimed water conveyance system consisting of approximately 53,000 feet of 36", 33", 30" and 27" diameter pipeline and appurtenant facilities to provide a water source for both the wildlife habitat on the San Jacinto Wildlife Area, Riverside County, California, and the area adjacent to the conveyance pipeline as shown on Exhibit A.

1. The District shall:

- A. Construct or have constructed a reclaimed water delivery pipeline and appurtenant facilities as described in attached project construction plans and specifications marked Exhibit B attached hereto and made a part hereof. These shall be owned, operated and maintained by District (District Facilities).
- B. Provide engineering service for planning, design, construction and inspection.
- C. Obtain all required easements and permits to construct and operate pipeline.
- D. Provide funding and support services to operate and maintain the pipeline for the life of the project.
- E. Complete and circulate the appropriate environmental document required by CEQA to cover construction and operation of the pipeline.
- F. Deliver reclaimed water to the San Jacinto Wildlife Area in accordance with the terms of attached delivery schedule marked Exhibit C, water quality schedule marked Exhibit D, and fee schedule marked Exhibit E, attached hereto and made a part hereof.
- G. Reserve for the State 6.5 mgd (20 AF/DAY) capacity rights in the pipeline during the nine month period from September 1 through May 31 each fiscal year for the life of the project.

2. The State shall:

- A. Provide the District with an easement on the San Jacinto Wildlife Area to provide for the placement of the pipeline and appurtenant facilities.
- B. Develop and maintain appropriate and adequate wildlife area facilities capable of receiving, distributing and utilizing water in accordance with the approved water delivery and water quality schedules (State Facilities).

- C. Complete and provide the District with approved wildlife area management plan containing a water management element documenting the State's need, ability and commitment to use reclaimed water.
 - D. Allow the District the use of (as identified in the State Management Plan) agreed upon designated sites and facilities on the San Jacinto Wildlife Area for the emergency storage and/or disposal of reclaimed water as long as such District use is reasonable under the circumstances and with the understanding that in such an event, there would be no charge for reclaimed water delivered by the District for emergency storage and/or disposal. The District is responsible for any added cost to the State and any and all damages to the Wildlife facility should the District supply water in excess of the Emergency Storage Capacity at the facility, and the District would also be responsible for any resultant impacts to downstream aquifers or other facilities.
 - E. Allow the District annual use of the State's reserved pipeline capacity of 6.5 mgd (20 AF/DAY) for delivery of water to other users during the months of June, July and August without cost or liability to the District. However, such reserved use shall not preclude the State from ordering water during the months of June, July and August consistent with the District's Rules and Regulations for Agricultural Reclaimed Water Use.
 - F. Accept, use and purchase reclaimed water delivered to the San Jacinto Wildlife Area in accordance with the terms of attached delivery schedule marked Exhibit C, water quality schedule marked Exhibit D, and fee schedule marked Exhibit E.
 - G. The State, with cooperation from the District, will obtain all required permits to use reclaimed water on the San Jacinto Wildlife Area.
3. The State and the District mutually agree that:
- A. District ownership, operation and maintenance of and provision of service through the pipeline facility will be in accordance with its applicable policies, rules and regulations under its improvement District No. 17 (Hemet-San Jacinto Valleywide) sewerage program; the State ownership, operation and maintenance of the San Jacinto Wildlife Area will be in accordance with the approved area management plan and the applicable policies, rules and regulations of the Department of Fish and Game, State of California.

B. Subject to Paragraph 2. E., annual quantities (in acre feet) of water to be delivered by the District and accepted by the State of reclaimed water during the initial 25-year term of this agreement are as follows:

<u>Fiscal Year</u>	<u>Quantities in AF</u>	<u>Fiscal Year</u>	<u>Quantities in AF</u>
1989-90	1,500	2002-03	4,500
-91	1,800	-04	4,500
-92	2,100	-05	4,500
-93	2,400	-06	4,500
-94	2,700	-07	4,500
-95	3,000	-08	4,500
-96	3,300	-09	4,500
-97	3,600	-10	4,500
-98	3,900	-11	4,500
-99	4,200	-12	4,500
1999-2000	4,500	-13	4,500
-01	4,500	2013-2014	4,500
-02	4,500		
Total Quantity - 25 years			96,000

Some reclaimed water will be available in Fiscal Year 1988-89 for testing facilities, the Fiscal Year total cannot be accurately estimated at this time. Test water will be delivered at no cost to the State.

C. The joint financing of the pipeline facility by State and District is based on the following (capacity/length) proportion of cost allocation:

Estimated initial capital cost of pipeline \$3,029,800.00

<u>Pipeline Segment</u>	<u>Estimated Cost</u>	<u>Design Capacity (in mgd)</u>	<u>DF&G Reserved Capacity (in mgd)</u>	<u>% of Estimated Cost. Alloc. to DF&G</u>	<u>Cost Initially Allocated to DF&G</u>
1-2	\$2,116,620	17.00	6.50	38.24	\$ 809,395
2-3	167,400	11.50	6.50	56.52	94,614
3-4	276,120	9.00	6.50	72.22	199,414
4-5	469,660	6.75	6.50	96.30	452,283
Total Initial DF&G Allocation					\$1,555,706
(before "time share" adjustment) say					\$1,555,700

"Time Share" Adjustment (to reflect DF&G's proposal to use its reserved capacity entitlement only nine months each year -- and allowing the District to fully use the entire capacity during the remaining three summer months to serve other customers):

$$\begin{aligned} \text{Adjusted DF\&G Allocation} &= \text{Total Initial DF\&G Allocation} \times \frac{270 \text{ days}}{365 \text{ days}} \\ &= \$1,555,700 \times .7397 \\ &= \$1,150,751 - \text{ say } \$1,150,000 \end{aligned}$$

(equivalent to 37.96% of the total estimated cost):

State Share	\$1,150,000
District Share	<u>\$1,879,800</u>
TOTAL	\$3,029,800

District's construction of pipeline and State's payment for State share of capital cost of pipeline will be in accordance with Standard Agreement WC # 1318, dated August 18, 1987.

- D. If the State determines that chlorination is required for some portion of the water delivered, the cost for such chlorination shall be added to the unchlorinated reclaimed water costs.
- E. In consideration for emergency storage and/or disposal of reclaimed water on State land and use of the State's pipeline reserve capacity by the District to deliver water to other users during June, July and August each year and notwithstanding provisions of Exhibit E, total cost to the State for unchlorinated reclaimed water during the initial 25 year term of this agreement will not exceed \$15.00 per acre foot.
- * F. While the term of this agreement is Twenty-five (25) years commencing with the date hereof, providing water for the San Jacinto Wildlife Area is a long term mutually beneficial program for both the State and the District. This program will result in the production of valuable wildlife habitat that will support resident and migratory populations of wildlife and provide long term benefits to the public. The State and District realize that wildlife populations and public benefits will become dependent upon habitat supported by the reclaimed water delivery program. In recognition thereof, the State and District consider this program to be a long term commitment, to be extended beyond the initial term of this agreement and in good faith and consistent with their legal authority intend to periodically extend this agreement with such amendments as are at the time deemed necessary.
- * G. In the future when the District determines that the original pipeline is no longer serviceable or is no longer capable of delivering the full quantities of reclaimed water specified in paragraph 3. B., the State

and the District, consistent with agreed cost sharing, will cooperatively seek replacement funds for the pipeline to insure that reclaimed water remains available to the San Jacinto Wildlife Area.

- H. The State shall operate and maintain State Facilities at its sole cost and expense so as to be fully capable of receiving the reclaimed water quantities specified in paragraph 3. B.
- I. Except as hereinabove described, State shall not be obligated to make or cause to be made any improvements or repairs to any District Facilities. However, District may at its own cost and with written approval from the State place or construct or have placed or constructed on the San Jacinto Wildlife Area any structures, alterations or improvements, i.e. emergency storage capacity, chlorination station, appurtenant to either State Facilities or District Facilities in addition to those set forth and described herein provided that water delivery as herein provided is not affected.
- J. The provisions of this agreement shall apply to and bind the successors and assigns of the respective parties, but no assignment or transfer of this agreement or any part thereof shall be valid unless and until approved by both parties.
- K. The District hereby waives all claims and recourse against State including the right to contributions for any loss or damage arising from, growing out of, or in any way connected with or incident to this agreement or District Facilities except claims arising from the concurrent or sole negligence of State, its officers, agents and employees. Further, District shall indemnify, hold harmless and defend State, its officers, agents and employees against any and all claims, demands, damages, costs, expenses or liability arising out of the design, construction, operation, maintenance, existence or failure of District Facilities. If State is named as co-defendant pursuant to Government Code Sections 895 et. seq., District shall notify State and represent it, unless State elects to represent itself, in which case State shall bear its own litigation costs, expenses and attorney's fees.
- L. The District and any of its officers, agents and employees shall, in the performance of this agreement, act in their capacity as officers, agents and employees of the District and not as officers, agents or employees of State.

- M. The State and the District hereby certify that in the performance of their responsibilities and duties under this agreement and in the administration of any concession agreement for services or accommodations, they will comply with all State and Federal non-discrimination laws. Any contracts for construction of facilities shall contain a clause that there shall be no discrimination against any employee who is employed in the work covered by such contracts or against any applicant for such employment because of race, creed, religion, color, age, national origin, sex or physical handicap.
- N. The State hereby waives all claims and recourse against District including the right to contributions for any loss or damage arising from, growing out of, or in any way connected with or incident to this agreement or State's use of reclaimed water except claims arising from the concurrent or sole negligence of District, its officers, agents and employees. Further, State shall indemnify, hold harmless and defend District, its officers, agents and employees against any and all claims, demands, damages, costs, expenses or liability arising out of the design, construction, operation, maintenance, existence or failure of State Facilities. If District is named as co-defendant pursuant to Government Code Sections 895 et. seq. State shall notify District and represent it, unless District elects to represent itself, in which case District shall bear its own litigation costs, expenses and attorney's fees.
- O. The State and any of its officers, agents and employees shall, in the performance of this agreement, act in their capacity as officers, agents and employees of the State and not as officers, agents or employees of District.
- P. The State and District will meet and confer to review and plan management and operational programs associated with this reclaimed water management program as needed, but not less than annually.
- Q. To the extent possible and consistent with their legal and management authority the State and the District will cooperate to cope with emergencies or unforeseen events associated with the use of reclaimed water on the San Jacinto Wildlife Area.
- R. Notices: Notices required between the District and State will be deemed to have been given when mailed to the respective addresses below, first-class postage fully prepaid thereon:

To District: General Manager
Eastern Municipal Water District
P.O. Box 858
Hemet, CA 92343

To State: Regional Manager, Region 5
Department of Fish and Game
245 W. Broadway, Suite 350
Long Beach, CA 90802

In the event either party changes its address, such party shall notify the other party within 30 days. Copies of all correspondence regarding the reclaimed water project for the San Jacinto Wildlife Area will also be sent to:

Area Manager
San Jacinto Wildlife Area
P.O. Box 254
Lakeview, CA 92353

Eastern Municipal
Water District

STATE OF CALIFORNIA
Department of Fish and Game
Wildlife Conservation Board

By *D. James Laughlin*
D. James Laughlin
General Manager

By *W. John Schmidt*
W. John Schmidt
Executive Officer

Date Signed 9/18/87

Date Signed 10/9/87

ATTEST: *Louise C. Koettters*
Louise C. Koettters, Secretary

I hereby certify that all conditions for exemption set forth in State Administrative Manual Section 1209 have been complied with and this document is exempt from review by the Department of Finance.

By *W. John Schmidt*

*Approved by Dept. of Gen. Services
10-30-87
of Elizabeth Groat*

STATE OF CALIFORNIA

COUNTY OF Sacramento } ss.



(This area for official notarial seal)

(Ack. - Public Agency, 9/85)

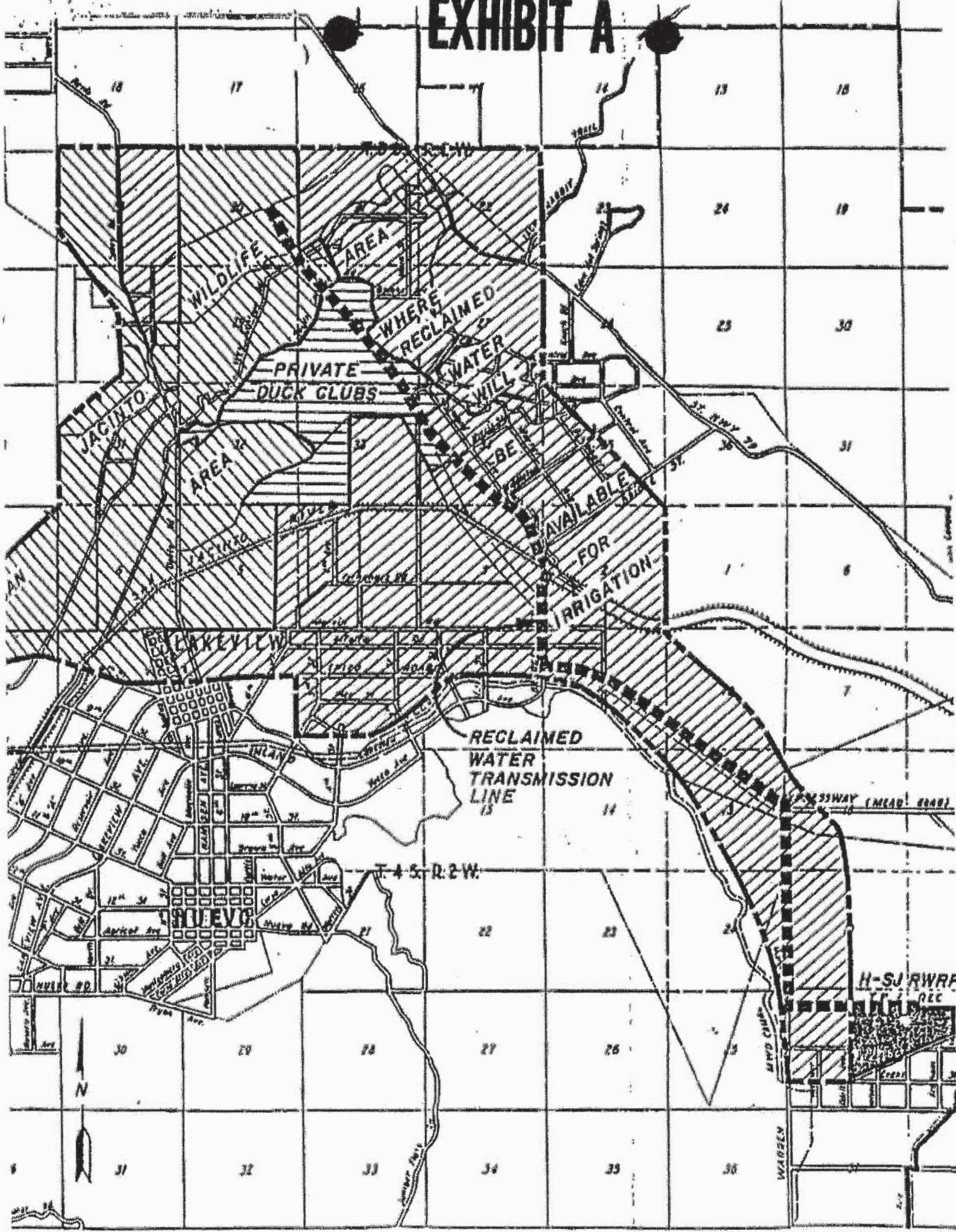
On this 8th day of October, in the year 1987,
before me Sandy Daniel,
personally appeared W. John Schmidt,
personally known to me (or proved to me on the basis of satisfactory
evidence) to be the person who executed this instrument as
Executive Officer, Wildlife Conservation Board of the State of California
Department of Fish and Game and acknowledged to me that the
State of California, Department of Fish and Game, Wildlife Conservation Board
executed it.

WITNESS my hand and official seal.

signed:

Sandy Daniel
Notary Public, State of California

EXHIBIT A



General Manager

Donald C. Stewart

Chief Engineer and Deputy General Manager

James H. Bunka, Jr.

Legal Counsel

Redwine and Sherrill

Director of The Metropolitan Water

District of Southern California

Doyle P. Boen



July 24, 1986

Board of Directors

Wm. G. Aldridge, President

John M. Coudres, Vice President

Chester C. Gilbert

Richard C. Kelley

Rodger D. Blama

Secretary

Louise C. Kosters

Treasurer

Rogers M. Coa

James W. Unland & Associates
41490 East Florida Avenue
Suite E
Hemet, California 92344

THE APPROVED FINAL DESIGN AND CONSTRUCTION
PLANS AND SPECIFICATIONS COMPLETED UNDER THIS
RFP WILL BE MARKED EXHIBIT "B" AND WILL BECOME
A PART HEREOF.

Attention: Mr. James W. Unland

Re: Request for Proposal: Lakeview - Effluent Transmission Line

The Eastern Municipal Water District is requesting professional engineering proposals for all the work necessary to design a major wastewater effluent transmission line from the Hemet-San Jacinto WRF to a Department of Fish and Game wildlife refuge in the Lakeview-Nuevo area. The project consists of approximately 8.5 miles of plastic pipeline ranging in size from 36" in diameter to 27". The apparent best route is shown on the attached map.

The work shall be reviewed and checked by the District's staff. The District has established a time period of 150 calendar days for completion of the work as defined in the following section entitled "Scope of Work".

SCOPE OF WORK:

SECTION I - DESIGN SURVEY:

The Engineer shall complete all work necessary to accumulate survey data essential for the design and preparation of contract drawings along the alignments as specified by the District. Said work shall include the following:

- A. Attend staff level meetings with District personnel to plan, organize, and gather essential District criteria prior to beginning actual survey.
- B. Provide research, field reconnaissance, and data accumulation for areas to be surveyed.
- C. Establish a systematic network for referenced and identifiable control points. The control points are to be established by ground survey at critical points of reference. The points shall include, but not be limited to, the following:
 1. Centerline intersections.
 2. Centerline extensions.
 3. Recorded curve monuments, i.e., B.C.'s, E.C.'s, etc.
 4. Section lines, section 1/4, 1/16, corners where applicable.

EXHIBIT C

RECLAIMED WATER DELIVERY SCHEDULE

The water delivery day shall commence at 7:30 a.m. of each day and run until 7:30 a.m. the following day. A water run shall be continuous until changed by the State. Water order changes must be called to District at EMWD Headquarters no later than 3:00 p.m. the afternoon before such a change is requested. All water shall be ordered in accordance with the following chart. Except for emergency conditions, water orders shall vary no more than two chart positions from the previous day.

<u>Chart Position</u>	<u>Water Order</u>		<u>MGD</u>
	<u>AF/DAY</u>	<u>GPM</u>	
1	1	226	0.33
2	2	453	0.65
3	3	679	0.98
4	4	905	1.30
5	5	1132	1.63
6	6	1358	1.96
7	7	1584	2.28
8	8	1811	2.61
9	9	2037	2.93
10	10	2263	3.26
11	11	2490	3.58
12	12	2716	3.91
13	13	2942	4.24
14	14	3168	4.56
15	15	3394	4.89
16	16	3621	5.21
17	17	3847	5.54
18	18	4074	5.87
19	19	4300	6.19
20	20	4526	6.52
21	21	4753	6.84
22	22	4979	7.17
23	23	5205	7.50
24	24	5432	7.82
25	25	5658	8.15

EXHIBIT D

RECLAIMED WATER QUALITY SCHEDULE

All water delivered by District shall comply with Reclaimed Water Producer Requirements established by the California Regional Water Quality Control Board, Santa Ana Region, or its successor agency. The District shall supply the Department's Regional Office with copies of all water quality reports supplied to the Board.

In order to insure that no detrimental effects occur to wildlife, Effluent Quality Limitations for reclaimed water delivered by the District shall not exceed those specified in EPA's Quality Criteria Standards for Water 1986. The District at no time shall deliver reclaimed water which is shown to be toxic in any way to fish and wildlife resources. The following parameters should be monitored at the specified frequency:

CONSTITUENT	MONITORING FREQUENCY
pH	Once per week
Unionized Ammonia	Once per week
Residual Chlorine	Daily *
Coliform Bacteria	Daily *
EPA's Priority Pollutants **.....	Annually unless action levels discovered

* When required for reclaimed water Public Health Standards

** List Attached.

Metals

Antimony
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Selenium
Silver
Thallium
Zinc

Miscellaneous

Cyanide
Asbestos

*Not required unless specifically requested.

Pesticides

Aldrin
Chlordane
Dieldrin
4, 4' - DDT
4, 4' - DDE
4, 4' - DDD
Alpha Endosulfan
Beta Endosulfan
Endosulfan Sulfate
Etozin
Etozin Aldehyde
Heptachlor
Heptachlor Epoxide
Alpha BE
Beta BE
Gamma BE
Delta BE
Toxaphene
PCB 1016
PCB 1221
PCB 1232
PCB 1242
PCB 1248
PCB 1254
PCB 1260

Method 625

Base/Neutral Extractibles

Acenaphthene
Benzidine
1, 2, 4 - Trichlorobenzene
Hexachlorobenzene
Hexachloroethane
Bis (2-Chloroethyl) Ether
2 - Chloronaphthalene
1, 2 - Dichlorobenzene
1, 3 - Dichlorobenzene
1, 4 - Dichlorobenzene
3, 3' - Dichlorobenzidine
2, 4 - Dinitrotoluene
2, 6 - Dinitrotoluene
1, 2 - Diphenylhydrazine
Fluoranthene
4 - Chlorophenyl Phenyl Ether
4 - Bromophenyl Phenyl Ether
Bis (2 - Chloroisopropyl) Ether
Bis (2 - Chloroethoxy) Methane
Hexachlorobutadiene
Hexachlorocyclopentadiene
Isophorone
Naphthalene
Nitrobenzene
N - Nitrosodimethylamine
N - Nitrosodi - N - Propylamine
N - Nitrosodiphenylamine
Bis (2 - Ethylhexyl) Phthalate
Butyl Benzyl Phthalate
DB - N - Butyl Phthalate
DB - N - Octyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate
Benz(a) Anthracene
Benz(a) Pyrene
Benz(b) Fluoranthene
Benz(k) Fluoranthene
Chrysene
Acenaphthylene
Anthracene
1, 12 - Benzoperylene
Fluorene
Phenanthrene
1, 2, 5, 6 - Dibenzanthracene
Indeno (1, 2, 3 - CD) Pyrene
Pyrene
TCDD

Method 625

Acid Extractibles

2, 4, 6 - Trichlorophenol
P - Chloro - M - Cresol
2 - Chlorophenol
2, 4 - Dichlorophenol
2, 4 - Dimethylphenol
2 - Nitrophenol
4 - Nitrophenol
2, 4 - Dinitrophenol
4, 6 - Dinitro - O - Cresol
Pentachlorophenol
Phenol

Method 625

Volatile Organics

Acrolein
Acrylonitrile
Benzene
Carbon Tetrachloride
Chlorobenzene
1, 2 - Dichloroethane
1, 1, 1 - Trichloroethane
1, 1 - Dichloroethane
1, 1, 2 - Trichloroethane
1, 1, 2, 2 - Tetrachloroethane
Chloroethane
Chloroform
1, 1 - Dichloroethylene
1, 2 - Trans Dichloroethylene
1, 2 - Dichloropropane
1, 2 - Dichloropropylene
Ethylbenzene
Methylene Chloride
Methyl Chloride
Methyl Bromide
Bromoforn
Bromodichloromethane
Trichlorofluoromethane
Dichlorodifluoromethane
Dibromochloromethane
Tetrachloroethylene
Toluene
Trichloroethylene
Vinyl Chloride
Bis (chloromethyl) Ether
2 - Chloroethyl Vinyl Ether

Method 624

EXHIBIT E

RECLAIMED WATER FEE SCHEDULE

An initial rate (to be applicable during the first five years of the Agreement) for the secondarily treated reclaimed water to be delivered and sold to the State based upon the following elements (which take the State's initial financial participation in the cost of the subject facility into account):

Element for operation and Maintenance of the subject proposed project facilities	\$ 5.00/AF
Reclaimed water value element	\$ <u>5.00/AF</u>
Total Initial Rate	\$10.00/AF

This initial rate shall be applicable for the first five years of the agreement period, following which the elements for operation and maintenance and reclaimed water value shall be subject to annual adjustment for each fiscal year based upon changes in the Consumer Price Index for the Los Angeles, Anaheim, Riverside metropolitan area for all urban consumers. The Consumer Price Index for the month prior to the effective date of this agreement is 344.1. (1967 Average = 100)

Annually in June the District shall determine its per AF cost to chlorinate reclaimed water from its Hemet-San Jacinto Regional Water Reclamation Facility. The cost shall be determined based upon both the cost of chlorine and the cost to operate and maintain the chlorination facilities. This cost is initially estimated to be \$10/AF.

Payments for reclaimed water will be made in the following manner:

1. Bill transmitted by District 15th day of month following period of water use.
2. Bill due and payable by State 45 days after bill transmitted by District.

ATTACHMENT #3

**FIRST AMENDMENT TO AGREEMENT BETWEEN STATE OF CALIFORNIA,
DEPARTMENT OF FISH AND GAME AND EASTERN MUNICIPAL WATER
DISTRICT FOR THE SAN JACINTO WILDLIFE AREA RECLAIMED WATER SUPPLY
PROJECT**

This Amendment to the Recycled Water Agreement ("Amendment") is made and entered into this _____ day of _____, 2014, by and between **EASTERN MUNICIPAL WATER DISTRICT**, a Public Agency of the State of California within the County of Riverside ("District"), and **THE STATE OF CALIFORNIA, DEPARTMENT OF FISH AND WILDLIFE**, formerly Department of Fish and Game, ("State"). District and State may sometimes be collectively referred to herein as the "Parties."

RECITALS

WHEREAS, State and District entered into an Agreement dated August 18, 1987, for the San Jacinto Wildlife Area (SJWA) Reclaimed Water Supply Project ("Agreement"), attached hereto as Exhibit "A," which included a cooperative project for construction and operation of a recycled water system, and delivery of recycled water to the SJWA at a discounted rate ("SJWA Rate"); and

WHEREAS, the Agreement's initial term is to expire on June 30, 2014; and

WHEREAS, the Agreement provides for an extension of its original term, and for any such amendments as may be deemed necessary; and

WHEREAS, State continues to place great importance on the preservation of the San Jacinto Wildlife Area as mitigation for wildlife losses from construction of the State Water Project in Southern California; and

WHEREAS, State realizes that long term resource and public benefits will continue to result from preservation of the San Jacinto Wildlife Area; and

WHEREAS, the Parties have agreed to cooperate to cope with unforeseen events associated with the use of reclaimed water on the San Jacinto Wildlife Area; and

WHEREAS, State has consistently accepted significantly less recycled water than the maximum amount provided for in the Agreement, with an actual eleven-year historical average of approximately 2,300 acre feet per year, and a maximum annual usage of approximately 3,100 acre feet; and

WHEREAS, State is in the process of developing a long-term land use plan for the SJWA and associated environmental documents, which may have an impact on the amount of recycled water needed in the future.

NOW, THEREFORE, in consideration of the above recited premises, together with the mutual covenants herein contained, and for other good consideration, the receipt and sufficiency of which are acknowledged, the Parties to this Amendment agree as follows:

///

///

///

AMENDMENT

Modification of Section 1(F). Section 1(F) of the Agreement is modified to read in its entirety as follows:

"District shall supply recycled water service to State at the SJWA Rate defined in Section 2(F), below. Such service shall be provided by District to approved facilities at the connection locations identified on Exhibit "B," hereto.

Recycled water service shall be limited to three-thousand one-hundred (3,100) acre-feet per year, to match the actual maximum quantity used by the SJWA over the last eleven years. This 3,100 acre-feet shall be composed of a base quantity of two-thousand two-hundred (2,200) acre feet available for delivery each year, with an additional nine-hundred (900) acre-feet available for delivery during the period of November 1 through April 30 of each year.

Deliveries shall be subject to the following maximum gallon-per-minute schedule:

- Six-thousand (6,000) gallons-per-minute (gpm) during the months of January, February, March, April, May, November and December;
- Four-thousand (4,000) gallons-per-minute (gpm) during the months of June, July, August and September;
- Four-thousand five-hundred (4,500) gallons-per-minute (gpm) during the month of October."

Deletion of Section 1(G). Section 1(G) of the Agreement is deleted and is of no further force and effect.

Deletion of Section 2(E). Section 2(E) of the Agreement is deleted and is of no further force and effect.

Section 2(F) of the Agreement is modified to read in its entirety as follows:

"State shall pay the SJWA Rate in accordance with District Rate Code R682, as may be periodically amended as provided, herein. Such rate shall be initially set at \$63.38 per acre-foot of recycled water delivered, and subject, thereafter, to price adjustments as set forth by the District's Board of Directors through its normal rate-setting process. The SJWA Rate (District Rate Code R682) shall be set at 65% of the District's Rate Code R632 Recycled Water Rate in deference to the State's obligations and responsibilities, as described herein.

District will render a monthly invoice for recycled water deliveries made during the preceding month based on the meter reading made by District at the Point of Delivery. Billings are due upon presentation of the statement, and become delinquent if not paid within thirty (30) days from the date of such billing. Delinquent accounts are subject to District's standard late penalty charges, and could be cause for termination of service in accordance with the procedures described in Section 5, below."

Modification of Section 3(G). Section 3(G) of the Agreement is modified to read in its entirety as follows:

"In the future when the District determines that the original pipeline is no longer serviceable or is no longer capable of delivering the full quantities of reclaimed water as provided herein, the State and the District, consistent with agreed cost sharing, will cooperatively seek replacement funds for the pipeline to insure that reclaimed water remains available to the San Jacinto Wildlife Area."

Agreement Term. The following new Section 4 is added to the Agreement:

This Amendment shall become effective on April 1, 2014, and shall extend the term of the Agreement for a period of twenty (20) years, unless terminated in writing by either party in accordance with Section 5, below. However, any easement rights granted to the District, by State, pursuant to any prior Agreement pertaining to recycled water service by District to the SJWA shall survive the expiration of the Agreement. Any such easement(s) shall accrue, permanently, to the benefit of the District.

Should State, as a result of its long-term land use plan, identify the need for additional recycled water greater than that defined herein, the Parties shall work cooperatively to prepare a subsequent amendment to the Agreement defining the terms under which additional water supply could be made available.

Termination The following new Section 5 is added to the Agreement:

- A. For Convenience. State may terminate this Agreement at any time by giving District one-hundred and eighty (180) days written notice.
- B. For Cause. The District may not immediately terminate this Agreement for non-payment. In the event that State is in default as a result of failing to perform any of its obligations under the Agreement as amended, and fails to cure such default within ninety (90) days of written notice of default, the Parties agree to meet and confer in good faith to negotiate a mutually acceptable resolution for continued service to the site. Should the cause of the default remain unresolved after one-hundred eighty (180) days of State being notified in writing of the default, or if State acts unlawfully, District may terminate this Agreement.

In the event of termination, for any reason whatsoever, State shall be responsible for payment of recycled water deliveries made by District up to the effective date of such termination. Additionally, neither Party shall be responsible to the other for any direct, indirect, or consequential costs, damages, or liabilities associated with such termination; except, however, that any easement rights granted to the District, by State, pursuant to, or contemplated in this, or any prior Agreement pertaining to recycled water service provided by District to the SJWA shall survive such termination and shall accrue, permanently, to the benefit of the District.

Miscellaneous Provisions The following new Section 6 is added to the Agreement:

- A. Continued Effect of Agreement. All provisions of the Agreement, except as modified by this Amendment, remain in full force and effect and are reaffirmed. Each Party acknowledges that it, as its respective interests appear, is liable for all damages arising from nonperformance under this Amendment if all conditions of this Amendment are not met; and that if this Amendment is performed, such performance must be accepted as full performance of its obligations under the Agreement. Other than as stated in this Amendment, this Amendment does not operate as a waiver of any condition or obligation imposed on the Parties under the Agreement.
- B. Interpretation of Amendment. In the event of any conflict, inconsistency, or incongruity between any provision of this Amendment and any provision of the Original Agreement, the provisions of this Amendment shall govern and control.
- C. Entire Agreement. This Amendment, together with the Agreement, constitutes the entire agreement between the Parties to the Agreement pertaining to the subject

matter of this Amendment, and any and all other written or oral agreements between the Parties before the date of this Amendment with respect to the subject matter of this Amendment are expressly cancelled.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed as of the date first above written.

EASTERN MUNICIPAL WATER DISTRICT

STATE OF CALIFORNIA
DEPARTMENT OF FISH AND WILDLIFE

By: _____
Paul D. Jones II, P.E., General Manager

By: _____
Kimberly Nicol, Regional Manager

Dated: _____

Dated: _____

DRAFT

ATTACHMENT #4

FRIENDS OF THE NORTHERN SAN JACINTO VALLEY
POST OFFICE BOX 4036
IDYLLWILD, CALIFORNIA 92549
www.northfriends.org

November 16, 2015

Daniel Zogaib, Project Manager
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90603

Via: U.S. Mail
Fax: (714) 484-5438

RE: Draft Environmental Impact Report (Draft EIR) and Proposed Remedial Action Plan (RAP) for Potrero Canyon (Lockheed Martin Beaumont Site 1), Riverside County, California (SCH No. 2014091006).

Dear Mr. Zogaib:

We are providing the following objections to the Draft Environmental Impact Report (Draft EIR) for the Proposed Remedial Action Plan (RAP) for Potrero Canyon (Lockheed Martin Beaumont Site 1) as individual citizens and on behalf of our conservation group the Friends of the Northern San Jacinto Valley (Friends).

We attended the September 24, 2014 public Scoping Meeting (CEQA Guidelines-15083), reviewed the Department of Toxic Substances Control (DTSC) Notice of Preparation (NOP) and the Project Initial Study. The Friends submitted a written comment letter dated October 2, 2014 in response to the NOP indicating our issues/concerns and significant project effects requiring consideration in the Draft EIR. The Friends NOP response letter of October 2, 2014 is included in the Draft EIR Appendix A - Notice of Preparation/Initial Study/Scoping Summary. The Friends October 2, 2014 letter was disregarded by DTSC and is now being incorporated by reference into this Draft EIR comment letter. We are requesting DTSC respond to the specific issues/concerns raised in the October 2, 2014 Friends NOP response letter [A - C] in the Final EIR.

DTSC continues to misrepresent the 2003 purchase and ownership of the Potrero site (Draft EIR - Page 1-3 Site Ownership). For inclusion in the CEQA Administrative Record, (Attachment No. 1) is a copy of the State Wildlife Conservation Board Minutes of November 18, 2003 [Agenda Item No. 12] documenting the terms and

conditions for the public agencies purchase of the Potrero Canyon site from Lockheed Martin Corporation. A coalition [CDFW, USFWS, RCA] acquired the entire 9117- acre property for 25 million dollars. In order to avoid the State becoming liable or responsible for hazardous substances in the soils and groundwater of the property, Lockheed Martin agreed to transfer fee title to 8,552 acres, and encumber the 565-acre property with a conservation easement. The conservation easement will include a transfer to the state of Lockheed's development rights to this portion of the Potrero property. Lockheed Martin also granted to the State an option to acquire the fee interest in the 565-acre property at the conclusion of successful remediation without the payment of additional consideration [CDFW can exercise the option with a token payment of one dollar].

IMPACT BIO-5: The Remedial Action Plan (RAP) as currently proposed will conflict with local policies protecting biological resources [MSHCP] and will conflict with provisions of the adopted western Riverside County Habitat Conservation Plan, Natural Community Conservation Plan (Fish and Game Code 2800 – 2835). Issues of conflict include public use and safety on the San Jacinto Wildlife Area, wildlife management disruption, endangered species take, remediation/restoration of public lands, Institutional Controls, MEC risks, 50 year project completion, etc. DTSC needs to initiate additional consultation/coordination with CDFW leadership to resolve the readily apparent conflicts/issues and cannot merely rely on a claimed absence of a management plan and a past interview with local CDFW personnel [Tetra Tech, 2010 – Draft EIR Page 4.3.5].

The project will result in the “take” of federal and State endangered plants and animals [IMPACT BIO-1] the most evident species being the Stephens' Kangaroo Rat (SKR). Going forward as a “Participating Special Entity”, in coordination with the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP), and payment of fees to the Regional Conservation Authority (RCA) [MM BIO-1] will not give the RCA the authority to issue incidental take permits for state or federal endangered species. The subject CEQA document fails to properly quantify “take” and provide the necessary mitigation.

In addition, the Western Riverside County MSHCP was established pursuant to the State Natural Community Conservation Planning Act (NCCP Act – Fish and Game Code: 2800 – 2835). The State NCCP Act does not exempt a project in a Natural Community Conservation Planning area from the California Environmental Quality Act (CEQA) or alters or affects the applicability of CEQA (Fish and Game Code: 2826) The project acceptance as a “Participating Special Entity” under the MSHCP [MM BIO-1] is not CEQA compliance.

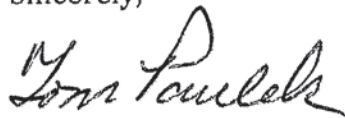
The Draft EIR cumulative impact analysis for the Potrero Canyon RAP is not correct. DTSC is also advocating a RAP at Laborde Canyon – Lockheed Propulsion Beamont NO. 2. It is not clear why these projects are going forward in separate environmental documents given their close proximity and same responsible party [Lockheed Propulsion]. Cumulative impact under CEQA refers to two or more

individual effects which when considered together are considerable or which compound or increase other environmental impacts (CEQA Guidelines: 15355). The Draft EIR needs to evaluate the cumulative impacts of the two Lockheed projects and other toxic remediation sites in the vicinity.

The Draft EIR consideration of significant impacts to Biological Resources is just plain wrong. The Biological Resource impact analysis must be redone and circulated again for public review and comment.

Please advise the Friends of the availability of any subsequent CEQA documents and any public hearings for this important project. We appreciate the opportunity to participate in the CEQA review.

Sincerely,



Tom Paulek
FNSJV, Conservation Chair
(951) 368-4525
atpaul44@earthlink.net



Susan Nash
FNSJV, President
(909) 228-6710
snash22@earthlink.net

Attachment No. 1: State Wildlife Conservation Board Minutes November 18, 2003
[Agenda Item No. 12 – Potrero Canyon Acquisition]

WILDLIFE CONSERVATION BOARD

1807 13TH STREET, SUITE 103
SACRAMENTO, CALIFORNIA 95814
(916) 445-8448
FAX (916) 323-0280
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*Potrero Acquisition
Agenda Item # 12*

State of California
The Resources Agency
Department of Fish and Game
WILDLIFE CONSERVATION BOARD
Minutes
November 18, 2003

ITEM NO.	PAGE
1. Roll Call	2
2. Funding Status Informational	4
3. Proposed Consent Calendar (Items 4 through 11)	7
*4. Approval of Minutes – August 13, 2003	7
*5. Recovery of Funds	8
*6. East Elliott Preserve and Denney Canyon, San Diego County	14
*7. Wetland Habitat Restoration, Duck Slough, Flynn Ranch, Merced County	17
*8. Honcut Creek Wildlife Conservation Area, Expansion 3, Butte County	19
*9. Sacramento River, Jacinto Unit, Expansion 1, Glenn County	20
*10. Tehama Wildlife Area Land Exchange, Tehama County	22
*11. Mattole River (Upper Tract), Humboldt County	22
12. San Jacinto Wildlife Area, Expansion 26 (Potrero Canyon Unit), Riverside County	24
13. Bolsa Chica Lowlands Restoration, Orange County	31
14. South Fork Kern River Ecological Reserve (Canebrake Creek Unit, Expansion 2), Kern County	33
15. Owens Lake Wildlife Area, Cartago Springs Unit, Inyo County	35
16. Los Osos Dunes and Wetlands, Montana De Oro Unit, San Luis Obispo County	37
17. Watsonville Slough (Buena Vista Unit), Santa Cruz County	40
18. San Francisco Bay Area Wetlands Protection and Restoration Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano and Sonoma Counties	44
19. Eden Landing Ecological Reserve, Initial Stewardship, Alameda County	47
20. Sky Valley Cordelia Hills Open Space, Solano County	49
21. Allensworth Ecological Reserve, Tulare and Kern Counties	51
22. South Fork American River, Lower Canyon Unit Exp. 1, El Dorado County	53
23. Sierra Valley Conservation Area, Expansion 1, Plumas County	54
24. Hallelujah Junction Wildlife Area, Expansion 5, Sierra County	56
25. Commander South Tract, Glenn, Lake and Tehama Counties	59
26. C Street Dock Fishing Access, Humboldt County	62
27. Lake Earl Wildlife Area Expansion, Pacific Shores Unit, Del Norte County Program Statement	69

*Proposed Consent Calendar

DEPARTMENT OF FISH AND GAME

WILDLIFE CONSERVATION BOARD

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WILDLIFE CONSERVATION BOARD

November 18, 2003

The Wildlife Conservation Board met at the State Capitol, Room 112, Sacramento, California on November 18, 2003. The meeting was called to order at 10:00 A.M. by Mr. Michael Flores, Chairman. He introduced Mr. Sonke Mastrup, Acting Director of the Department of Fish and Game; Mr. Fred Klass, representing the Department of Finance; Ms. Ann Baker, representing Assembly member Fran Pavley; Mr. Syrus Devers, representing Senator Sheila Kuehl; and Mr. Al Wright, Executive Director of the Board. He then turned over the meeting to Mr. Wright.

1. Roll CallWILDLIFE CONSERVATION BOARD MEMBERS

Michael Flores, Chairperson
President, Fish and Game Commission
Fred Klass, Program Budget Manager
Vice, Donna Arduin, Member
Director, Department of Finance
Sonke Mastrup, Member
Acting Director, Department of Fish and Game

JOINT LEGISLATIVE INTERIM ADVISORY COMMITTEE

Assembly Member Patty Berg
Syrus Devers,
Vice, Senator Sheila Kuehl
Kristie Stauffacher,
Vice, Senator Michael J. Machado
Deborah Gravert,
Vice, Assembly Member Hannah-Beth Jackson
Ann Baker,
Vice, Assembly Member Fran Pavley

EXECUTIVE DIRECTOR

Al Wright

Staff recommended that the Board approve this grant as proposed; allocate \$220,000.00 to cover the grant and related costs from the Safe Neighborhood Parks, Clean Water, Clean Air and Coastal Protection Bond Fund (Prop. 12), Section 5096.350 (a)(4)(3); authorize staff to enter into appropriate agreements necessary to accomplish this project; and authorize staff and the Department of Fish and Game to proceed substantially as planned.

As one of the consent items heard at the beginning of the meeting, it was moved by Mr. Fred Klass that the Board approve this grant as proposed; allocate \$220,000.00 to cover the grant and related costs from the Safe Neighborhood Parks, Clean Water, Clean Air and Coastal Protection Bond Fund (Prop. 12), Section 5096.350 (a)(4)(3); authorize staff to enter into appropriate agreements necessary to accomplish this project; and authorize staff and the Department of Fish and Game to proceed substantially as planned. Motion carried.

12. San Jacinto Wildlife Area, Expansion 26 \$12,157,000.00
(Potrero Canyon Unit), Riverside County

Mr. Wright reported that this proposal was to consider the acquisition of fee title to 8,552± acres, together with a conservation easement over 565± acres of land, as an expansion to the Department of Fish and Game's (DFG) San Jacinto Wildlife Area, located in western Riverside County, to protect critical wildlife habitat and key open space, and to establish a permanent wildlife corridor between already preserved areas in the San Bernardino National Forest to the east, San Timoteo Canyon to the northwest and San Jacinto Wildlife Area and Lake Perris State Park to the west. This proposal is also to consider the acceptance of a Habitat Conservation Assistance Grant from the U. S. Fish and Wildlife Service (USFWS) providing \$8,000,000.00 in Section 6 funds and \$5,500,000.00 from the Riverside County Habitat Conservation Agency, to be applied toward the proposed acquisition of the property.

Mr. Wright gave a brief background about the project which began several years ago when Riverside County, together with the DFG and the USFWS started on a process to prepare a plan for the County to create future corridors for transportation, wildlife movement and habitat conservation, and at the same time, update its general plan. The development of this overarching plan encompassed hundreds of public meetings and workshops to discuss with the public how this plan would create these core reserves to protect the important habitats of western Riverside County, as well as provide linkages between those core habitats.

Mr. Wright explained that the property to be discussed today, located in the southern portion of the City of Beaumont, was identified by the DFG, the USFWS and the County as containing critical habitat for threatened and endangered species and important in establishing an unfragmented wildlife movement corridor linking existing preserved properties. The property is unique, however, in that it was used for a number of years to develop rocket motor technology. As a result, the property experienced contamination, primarily from rocket fuels. To date, Lockheed has completed a significant amount of remediation on the property, but has also recently identified perchlorate in the soil and groundwater.

The State's timing, to proceed with the purchase of the property at this time, is important as Lockheed has offered a discount from fair market value. Mr. Wright stated we have been able to pull a sufficient amount of money from both the USFWS and the County to be applied toward the purchase, resulting in more than half the cost of the property contributed by someone else other than the State. We have spent a significant amount of time with Lockheed Martin, through the work of many consultants, in understanding the contamination issues involved with the property. We have also discussed the contamination issues with the Department of Toxic Substances Control and Lockheed's record in their remediation efforts to date. We feel we have a full understanding of the risks related to the purchase of the property as we go forward.

Mr. Wright reported that the Board received a letter from the Riverside County Board of Supervisors strongly supporting this proposal, along with letters of support from The Nature Conservancy, the Center for Biological Diversity, Pomona Valley Audubon Society, Elsinore Murrieta Anza Resource Conservation District, San Bernardino Audubon Society, Endangered Habitats League, Friends of Northern San Jacinto Valley, Palos Verdes/South Bay Audubon Society and an individual named C.D. Stout. Mr. Wright shared portions of a letter received from the San Geronimo Chapter of the Sierra Club, which he felt exemplifies all of the letters of support.

At this time Mr. Flores welcomed Assembly member Patty Berg, Assembly member Hannah-Beth Jackson and Ms. Kristie Stauffacher, representing Senator Mike Machado.

Ms. Debbie Townsend briefly described the project and its location. The project area is located in the southern portion of the City of Beaumont, southwest of the City of Banning and directly east of the City of Moreno Valley. It is generally to the east of Lamb Canyon Road, and northwest of Gilman Springs Road at the southerly end of Highland Springs Road. The property will be acquired as an expansion to the DFG's San Jacinto Wildlife Area nearly doubling its current area of 10,000 acres. Combined with the Lake Perris State Recreational Area to the west, a total of approximately 27,000 acres would be under public ownership and protection.

The property is currently owned by Lockheed Martin Corporation, a Maryland corporation. Between 1961 and 1974, portions of the site were used for rocket

motor manufacturing and the testing of rocket propulsion systems. In 1989, Lockheed and the California Department of Health Services, Toxic Services Control Division, signed a Consent Order requiring Lockheed to implement a plan to remediate any soil, surface water or groundwater contamination which occurred on the property as a result of the rocket testing activities. Lockheed initiated remediation efforts under the Consent Order in 1993, and it will continue to be the responsibility of Lockheed until all of the remediation efforts under the Order are satisfied and the property is certified clean.

As a result of recent investigations, perchlorate contamination has been identified in some of the soil and groundwater within a 565-acre area of the property. In order to avoid the State becoming liable or responsible for hazardous substances in the soils and groundwater of the property, Lockheed will transfer fee title to 8,552± acres, and encumber the 565-acre area with a conservation easement. The conservation easement will include a transfer to the State of Lockheed's development rights to this portion of the property. Lockheed will also grant to the State an option to acquire the fee interest in the 565-acre property at the conclusion of successful remediation without the payment of additional consideration.

The expected time frame for performing the soil work within the easement area is 18-36 months, subject to review and approval by the Department of Toxic Substances Control. Lockheed expects to begin the treatment of groundwater containing perchlorates within 36-48 months, but does not expect that the treatment of groundwater would prevent the development and use of this portion of the property. Groundwater underlying the property is not a source of drinking water and is not expected to be used. Based on currently available information, the groundwater containing perchlorates does not extend beyond the 565 acres proposed to be retained by Lockheed.

The property comprises a flat, alluvial valley dominated by chaparral, annual grasslands and riparian shrub communities. The property is also dominated by large blocks of unfragmented Riversidean sage scrub, an inland form of coastal sage scrub, which is an important habitat for the California gnatcatcher. Potrero Creek runs through the center of the property providing high quality riparian woodlands, alkali marsh and oak woodlands.

Mammal species are well-represented in the project area and range from the desert shrew to the southern mule deer. The property contains some of the densest populations of the federally-listed endangered and State-listed threatened Stephen's kangaroo rat (SKR). The property is estimated to have approximately 2,380± acres of occupied SKR habitat including high quality annual grasslands, critical to SKR survival. Additionally, one component of the SKR Habitat Conservation Plan of Western Riverside County was to acquire occupied and suitable SKR habitat in a core reserve system and eventually expand that system. The property represents an ideal location for core reserve expansion.

The proposed acquisition would conserve habitat for thirty-one (31) threatened and endangered species, and species of special concern, including the least Bell's vireo and the California gnatcatcher. The property contains suitable and occupied habitats for both species. In addition, the property contains animal movement corridors, raptor nesting areas, wetlands and waterways. Because the property is largely undeveloped, habitats are generally unfragmented and ideally suited for reserve establishment.

The Potrero Canyon property is located in the heart of Riverside County's regional Multiple Species Habitat Conservation Plan (MSHCP) and Natural Communities Conservation Plan (NCCP) which identifies up to 500,000 acres to make a viable system of linked conserved lands. Conservation of the property is important in a broader ecological context as its location ensures connectivity between national forests to the north and the south as well as provides linkages between other conserved areas identified in the plan. Riverside County has already spent substantial funds acquiring lands within the larger MSHCP/NCCP planning area and supports the proposed acquisition of the property to further ensure that the overall preserve design is effective. This proposal would further implement the joint federal, State and local NCCP efforts in the Riverside County area.

The DFG has identified the property as being within a Significant Natural Area and has recommended the property as a high priority for acquisition. The DFG proposes to manage the property as the Potrero Canyon Unit of its existing San Jacinto Wildlife Area. Subject to the preparation of a specific management plan, the DFG proposes to offer recreational uses as the habitat is restored, maintained and developed in conjunction with the wildlife area. It is anticipated that the remediation work on the easement area will not interfere with the DFG's use of the property for the protection of habitat.

There are no claims of sovereign State land ownership within the property's boundaries. The proposed acquisition is exempt from the California Environmental Quality Act under Section 15313, Class 13 as the acquisition of land for wildlife conservation purposes and under Section 15325, Class 25 as the transfer of ownership in land to preserve open space, habitat or historical resources. Subject to approval of the Board, the appropriate Notice of Exemption will be filed with the State Clearinghouse.

The Department of General Services (DGS) has reviewed and approved the appraisal of the property at \$34,500,000.00. The owner has agreed to sell the property for \$25,500,000.00; consequently any value over the approved appraised value will be considered a donation to the State. The USFWS has awarded an HCP Assistance Grant for this project, in the amount of \$8,000,000.00, which will be applied toward the purchase price of the property. In addition, the Riverside County Habitat Conservation Agency will be

contributing \$5,500,000.00 toward the acquisition. Staff proposes that the Board approve an allocation of \$12,000,000.00 for the remainder of the purchase price. It is anticipated that an additional \$157,000.00 will be needed to cover administrative expenses including appraisal, escrow, title insurance and DGS' review costs, bringing the total proposed allocation for this project to \$12,157,000.00.

Ms. Townsend reported that Dee Sudduth, Assistant Regional Manager of the Inland Empire Region, Department of Fish and Game and Mr. Jim DeNapoli, Vice President and General Counsel of LMC Properties, Inc, were in the audience should there be any questions.

Mr. Jim DeNapoli addressed the Board in support of this proposal. (See Attachment A)

Ms. Robin Lowe and Ms. Carolyn Syms Luna addressed the Board in support of this project. Ms. Lowe, representing the Riverside County Habitat Conservation Agency, stated that this proposal is the culmination of 10 years of hard work by their agency. She reported that they are in the process of approving the multi species habitat plan for the entire western portion of the county. She commented that Riverside County is experiencing tremendous growth and without the addition of this portion of land to their entire program, they would not be able to proceed with the transportation planning that is necessary. She commented that along with the growth the community is experiencing, it is now necessary to make sure that these critical habitats are set aside so that the planned growth can proceed on an even basis. She stated they are willing partners in this proposal and encouraged the support of the Board.

Mr. Flores asked if there were any comments or questions.

Mr. Fred Klass requested clarification regarding the indemnification features of this purchase agreement. He stated it was his understanding that perchlorate has only recently been identified in many locations and it is his sense that we have not had time to fully develop a knowledge of what is on the site and how we might remediate it. He requested clarification on who would supervise the work and how would we know when it is finished.

Mr. Wright asked Ms. Nancy Templeton, Staff Counsel, Department of Fish and Game and Mr. Paul Mosley, private attorney who has been representing the State in negotiations, to please address the issues.

Mr. Mosley stated that in connection with the purchase agreement, the Board has negotiated a very broad, direct covenant and indemnity from Lockheed where they have committed to clean up anything and everything that is known on the property, and in addition, anything that is discovered in connection with its investigation. He stated that presently there is in place a contract with Lockheed and the Department of Toxic Substances Control (DTSC) under which

Lockheed has committed to not only fulfill that obligation, but they will continue to abide by those obligations with that agency and in connection with contamination that may be discovered in the future. He stated that supervision of the cleanup presently is being overseen by the DTSC and that Department will continue to have oversight during the cleanup process. Ms. Templeton stated that in addition to cleanup covenants that Mr. Mosley described and the oversight by the DTSC, within the proposed purchase contract we have a full indemnification from Lockheed covering all of its responsibilities.

Mr. Klass requested clarification regarding the State's obligations if there are additional problems identified on the site after the property is acquired, Mr. Mosley explained that levels of protection have been put together in the contract with Lockheed, wherein we have commitment from Lockheed to handle this issue. He stated the DTSC has regulations which have required Lockheed to put up financial assurances to cover its obligation. He reported that presently there is a financial assurance amount of approximately \$2 million to cover those obligations. Under their existing regulations, the DTSC revisits that amount periodically and will be revisiting that amount as the site is further characterized. In addition, one of the reasons for the 565-acre carve out was to take the major issue of concern with respect to the site, which is an area of perchlorate contamination that has impacted groundwater, and to leave that in fee ownership with Lockheed until such time as the State is satisfied that the remediation is complete or that it is far enough along with the DTSC oversight that the State is in a position to then elect to take fee interest in that property. Mr. Klass asked if there were any problems with migration of the perchlorates off site and down into the groundwater and potentially contaminating neighboring community wells or water supplies. Mr. Mosley explained that several data points have been put in place and these will be monitored to make sure contamination has not left the site. Mr. Mosley reported that the Board required Lockheed to put another data point further downstream to further verify perchlorate contamination has not left the site. He stated that data point has come up clean and will continue to be monitored.

Mr. Klass asked if the Department of Fish and Game is involved in the monitoring of the site as it is cleaned up. Mr. Mosley stated the Department of Fish and Game would be managing the site and in the contract there are various provisions that will allow them to be involved. In some instances, with regard to those actions that are taken by Lockheed, the Department must be notified of those actions and have input with respect to the actions as the process moves forward. Mr. Klass requested clarification regarding manpower requirements of the Department's involvement. Mr. Mosley stated that with respect to the cleanup, it is not a full time operation for Departmental personnel, but it is for Lockheed and the consultants that they have hired.

Mr. Klass requested clarification regarding the State's risk if, for example, Lockheed walked away from this project or if there is a time limit on Lockheed's liability in terms of the indemnification. Mr. Mosley stated that Lockheed has agreed to an unlimited and uncapped indemnity.

Mr. Flores asked if there were any other comments or questions.

Assembly member Jackson stated she shares Mr. Klass' concerns. She asked if a bond is to be posted by Lockheed for protection in future cleanup. Mr. Wright explained that the DTSC has a \$2 million letter of credit based on the current consent order and that as they develop the plan for the cleanup of the perchlorate, that amount would be changed based on whatever plan they develop in the next 18 months to two years, which would be adjusted as they proceed through the process.

Mr. Flores asked if there were further questions or comments. There were none.

Staff recommended that the Board approve this acquisition as proposed; authorize acceptance of \$8,000,000.00 from an HCP Assistance Grant from the USFWS and \$5,500,000.00 from the Riverside County Habitat Conservation Agency, to cover a portion of the purchase price; allocate \$12,157,000.00 from the California Clean Water, Clean Air, Safe Neighborhood Parks, and Coastal Protection Fund (Prop. 40), Section 5096.650, for the acquisition and related expenses; authorize staff to enter into agreements as necessary to carry out this acquisition as described; and authorize staff and the Department of Fish and Game to proceed substantially as planned.

It was moved by Mr. Sonke Mastrup that the Board approve this acquisition as proposed; authorize acceptance of \$8,000,000.00 from an HCP Assistance Grant from the USFWS and \$5,500,000.00 from the Riverside County Habitat Conservation Agency, to cover a portion of the purchase price; allocate \$12,157,000.00 from the California Clean Water, Clean Air, Safe Neighborhood Parks, and Coastal Protection Fund (Prop. 40), Section 5096.650, for the acquisition and related expenses; authorize staff to enter into agreements as necessary to carry out this acquisition as described; and authorize staff and the Department of Fish and Game to proceed substantially as planned. Motion carried.

Mr. Wright expressed his appreciation to the staff, Debra Townsend, Nancy Templeton, Paul Mosley, Jim DeNapoli, Dee Sudduth and others for their work on this proposal.

From: [Susan Nash](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Cc: [Tom Paulek](#); [David Bramlet](#)
Subject: SJWA LMP NOP@wildlife.ca.gov
Date: Sunday, July 10, 2016 10:03:31 AM
Attachments: [SJWA Management PlanCom.docx](#)

Eddy Konno,

Sending this again, as not certain that they have already been sent to you. Thanks, Sue Nash

SJWA Management Plan

A more thorough literature review should have been conducted, to determine the distribution of special status plant species found on the SJWA. Some of these references would include:

MWD Eastside Reservoir Studies (1991) Surveyed the Potrero Area.

MWD Inland Feeder –Surveyed the SJWA

Julie Greene’s botanical surveys, collected plants from the SJWA.

Bramlet Lovell Unit Botanical Survey, not cited

Consortium of California Herbaria, a database of plant collections, is not cited.

SJWA Management Plan Missing Special Status Plant Species:

SJWA

Abronia villosa var. *aurita* Chaparral sand verbena 1B.1

Possibly on the SJWA, since this species is found within the San Jacinto River Wash, nearest location would be the San Jacinto River wash west of Bridge Street

Deinandra paniculata Paniculate tarplant RPR 4.2

Occurs in annual grasslands found on the SJWA

Atriplex pacifica & *Atriplex serenana* var. *davidsonii* are the same taxon that is currently identified as *A. coulteri*, and the information in the plan should be updated. This material potentially represents a new species.

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RCA monitoring reports note that *Calochortus plummerae* is located on the Potrero Unit. The information should be updated & the RCA rare plant monitoring reports should be cited in the text.

The plan presents long tables of special status plant species that are not found in the region. This material should be moved to an appendix. It should be replaced with a section addressing plant species of local concern or other species of limited distribution within the region that are found on the SJWA (A list of local concern species is found in the checklist of vascular plant species in western Riverside County). Some examples would include: *Amaranthus californica*, *Bergia texana*, *Caulanthus lasiophyllus* var. *rigidus*, *Echinodorus berteroi*, *Lepidium latipes* var. *latipes*, *Petunia parviflora*, *Phacelia ciliata*, *Plantago elongata*.

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This section of the management plan needs to review all of the potentially invasive plant species occurring at the SJWA (e.g. *Brassica tournefortii*, *Mesebranthemum nodiflorum*), note procedures to annually survey the SJWA for infestations of invasive weeds, along with mapping all the invasive plant species per management unit.

The plan should note the development of procedures to document long-term alterations of sensitive plant communities at the SJWA. The issues include: the potential decline of Riversidian sage scrub; alteration of alkali communities; and changes in structure of the annual grasslands. Simple photo monitoring techniques (ANR 8067) could be used to document the changes to these communities at the SJWA.

Susan Nash
P.O. Box 4036
Idyllwild CA 92549
909-228-6710
snash22@earthlink.net

Begin forwarded message:

From: David Bramlet <debramlet@earthlink.net>
Subject: Re: San Jacinto Wildlife Area Action Alert!
Date: July 3, 2016 at 6:16:13 AM PDT
To: Friends of the Northern San Jacinto Valley <northfriends@northfriends.org>

Tom:

Attached are some brief comments on the plan.

Dave Bramlet

On 6/29/2016 8:49 PM, Friends of the Northern San Jacinto Valley wrote:

SAN JACINTO WILDLIFE AREA ACTION ALERT!

The California Department of Fish and Wildlife (CDFW) has prepared a draft Management Plan for the San Jacinto Wildlife Area (SJWA). The CDFW is required by the Environmental Quality Act (CEQA) to prepare an Environmental Impact Report (EIR) to assess

the impacts of the management plan's practices on the plants and animals that occur on the SJWA, the people who use the SJWA, and especially the over 60 endangered plants and animals that seek to survive on the SJWA.

The Draft Management Plan is found online at <http://northfriends.us4.list-manage.com/track/click?u=2162b8d39773f0176fd33ae29&id=1e9d4e12db&e=409a346573> (when you get to that page, click on the Plan under the June 8, 2016 meeting)

The Notice of Preparation asks the public to submit comments on the Draft Management Plan for use in the Draft EIR by July 8, 2016, by regular mail to:

California Department of Fish and Wildlife
Attention: Eddy Konno, Senior Environmental Scientist
Mailing Address: 78078 Country Club Drive, Suite 109
Bermuda Dunes, California 92203

OR via Email: SanJacintoWLM@wildlife.ca.gov
(subject line: SJWA LMP NOP Scoping Comments)

Without telling the public what the significant impacts of the project are, the CDFW has asked the public to figure out for themselves some of the significant impacts of the Plan on plants, animals and people. The Friends of the Northern San Jacinto Valley has so far found these parts of the plan and the EIR process to be of concern:

(1) The Plan proposes that expansion of hunting activities can never be a significant impact to the plants, wildlife and people who use the SJWA. Such expansion may not only result in the expansion of areas devoted to waterfowl hunting, but also to areas devoted to dog training and other related activities. In addition, the SJWA may be closed to all but hunters during the months of October through February, as in done as the Imperial Wildlife Area near the Salton Sea. These unnecessary expansions of hunting would have a significant negative impact on the plants, animals and people who occur on and use the SJWA.

(2) The SJWA is a core reserve for the Western Riverside County Multiple Species Management Plan (MSHCP) and is home to over 60 of the 146 species protected from extinction by the MSHCP. The plan must ensure, which it does not now, that the SJWA is a MSHCP reserve first and a hunting and birdwatching, mountain biking, horse back riding area second. The plants and animals who occur on the wildlife area are the first priority, otherwise the area is just another urban park.

(3) The plan must ensure that the SJWA continues to be able to purchase, as an affordable price and at appropriate times for plants and wildlife, recycled water from Eastern Municipal Water District. The wildlife area could not exist as a core MSHCP reserve and as a premier hunting area in southern California without reclaimed water. The current contract's 4,500 acre feet per year must be guaranteed for decades into the future in order to fulfill all the expansions of wildlife habitat mentioned in the Management Plan and to fulfill its MSHCP obligations.

Our goal in making comments is to end up with a good management plan which will guide the conservation of plants and animals and provide for appropriate public uses of our public trust lands and wildlife for future generations.

PLEASE SEND OR EMAIL YOUR COMMENTS TO EDDY KONNO AT THE ABOVE ADDRESS BY JULY 8, 2016, and ask to be notified of the availability of the Draft EIR.

If you have any questions, please contact
Susan Nash, President
Friends of the Northern San Jacinto Valley
P.O. Box 4266 Idyllwild CA 92549
www.northfriends.org
909-228-6710
snash22@earthlink.net

=====
You are receiving this email because you signed up to receive information from Friends of the Northern San Jacinto Valley.

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u=2162b8d39773f0176fd33ae29&id=ce223f131a&e=409a346573&c
=c0315bad04](http://northfriends.us4.list-manage.com/unsubscribe?u=2162b8d39773f0176fd33ae29&id=ce223f131a&e=409a346573&c=c0315bad04)

Our mailing address is:
Friends of the Northern San Jacinto Valley
PO Box 4266
Idyllwild, CA 92549
USA

Our telephone:

Forward this email to a friend:
[http://us4.forward-to-friend.com/forward?
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Checked by AVG - www.avg.com

Version: 2015.0.6201 / Virus Database: 4613/12536 - Release Date:

07/01/16

SJWA Management Plan

A more thorough literature review should have been conducted, to determine the distribution of special status plant species found on the SJWA. Some of these references would include:

MWD Eastside Reservoir Studies (1991) Surveyed the Potrero Area.

MWD Inland Feeder –Surveyed the SJWA

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CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE



San Jacinto Wildlife Area Land Management Plan
Scoping for the Draft Environmental Impact Report

(please print)

Name: Muriel Dufresne
Organization (if any): Golden Era Productions (CHURCH OF SCIENTOLOGY)
Do you have authorization to represent this Organization? Yes: [checked] No: []
Address: 19125 GILMAN SPRINGS ROAD
City, State, Zip: GILMAN HOT SPRINGS, CA, 92583
E-mail: murield@goldeneraproductions.org Telephone: 323-905-8312 cell

Written Comments
(please print)

I would like more info on how the plan will effect our 700+ acre property which is directly south of Potrero Unit

Please note: Comments, including personal information, become public information and may be released to interested parties if requested.

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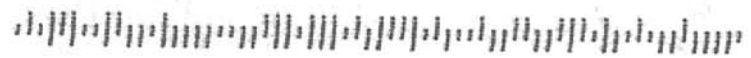
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DEPT OF FISH & GAME
OF CALIFORNIA

California Department of
Fish and Wildlife
Attn: Eddy Kenno
78078 Country Club Dr. Ste 109
Bermuda Dunes, CA 92203

92203-817434



From: [Dan Silver](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP Scoping Comment
Date: Monday, June 27, 2016 12:02:39 PM

June 27, 2016

VIA ELECTRONIC MAIL

California Department of Fish and Wildlife
Attention: Eddy Konno, Senior Environmental Scientist
78078 Country Club Drive, Suite 109, Bermuda Dunes, California 92203
SanJacintoWLM@wildlife.ca.gov

Dear Mr Konno:

Endangered Habitats League (EHL) appreciates the opportunity to comment on the scoping plan for the highly important natural resource of the Wildlife Area. For your reference, EHL is Southern California's only regional conservation group and a long term stakeholder in Riverside County planning efforts.

We recognize that the Wildlife Area is open to multiple uses but are concerned that the proposed management plan will favor consumptive uses to the detriment of other values and obligations. The SJWA is part of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) and must protect species and manage habitats according to that plan. We are also concerned over increased hunting, of waterfowl, of exotic species like pheasants, and of predators, such as coyotes. Coyote hunting should not be allowed. In EHL's experience, it is simply a blood sport that has no ecological value, let alone value for food purposes.

Thank you, and please add EHL to all mailing and distribution lists for the Land Management Plan.

Sincerely,
Dan Silver

Dan Silver, Executive Director
Endangered Habitats League
8424 Santa Monica Blvd., Suite A 592
Los Angeles, CA 90069-4267

213-804-2750
dsilverla@me.com
www.ehleague.org

From: Gregory R Ballmer
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Cc: snash22@earthlink.net ;
Subject: SJWA draft management plan
Date: Thursday, June 30, 2016 4:58:30 PM

Eddy Kono:

Dear Sir:

I offer the following comments on behalf of the Tri-County Conservation League, a citizens group advocating preservation and protection of the Santa Ana River and its tributaries for wildlife habitat, recreation, education, and water quality and quantity.

Although the Plan's purported purpose is to conserve and manage wildlife resources, while also providing a variety of social amenities (especially recreational uses and hunting), it utterly ignores the largest single biological component - insects. A word search of the Plan document failed to find even a single mention of "bee", or "pollinator". There is only one mention of "insect"; and that refers to foraging of birds in agricultural fields. Birds and many other small vertebrates depend on invertebrates in their diet; but those same invertebrates inhabit virtually all ecological niches where they provide myriad ecological "housekeeping" functions, such as nutrient recycling, soil aeration, pollination, and water cleansing. If one were to construct a biological resources pyramid, plants would be the base, while invertebrates (chiefly insects) would comprise the next trophic level. All other "higher" organisms depend on such a foundation. The Plan's failure to acknowledge the basic importance of invertebrates and to include plans for managing their populations is an egregious oversight.

Without insect pollinators, many of the plants to be managed would fail to reproduce. Many plants require specific insect pollinators, chiefly native bees; and they, in turn, require specific conditions for nesting in various soil types or other substrates. For example, the Ruth's Cuckoo Bee (*Holcopasites ruthae*) was formerly under active consideration for Federal Endangered Species status, and that consideration was suspended only when a relatively large population of this rare species was discovered on the SJWA. Ruth's cuckoo bee is a cleptoparasite in nests of *Calliopsis pugionis*, a native pollinator which nests in a few aggregations in alkaline clay soil around the margin of Mystic Lake. Because *C. pugionis* requires clay soil for its subterranean nests, and because individual nests are concentrated in relatively small areas of shoreline, poor management, such as soil disturbance or other incompatible land uses could easily wipe out the nesting sites. and both species would decline or perhaps disappear from the SJWA.

Another oversight in the Plan is failure to acknowledge that the common European honey bee (*Apis mellifera*) is considered a pest by many bee specialists when present outside of commercial agricultural settings. In addition to occasional bothersome stings, honey bees displace native bees, which are very capable of pollinating California's native plants. Although each native bee species often specifically visits and pollinates only one or a few species of native plants, honey bees forage on virtually all flowering plants and thereby usurp pollen and nectar resources vital to native bees.

It would be appropriate for the Plan to include management of honey bees such that native bee species could prosper. The Plan should include removal of feral honey bee colonies and prohibition of introduction of domestic honey bee colonies to the SJWA.

The Plan ought to comprehensively incorporate management practices for its invertebrate inhabitants.

And that begins with enlightened management of the native plant communities which support them. In recent years, populations of sensitive plants have been mismanaged, including destruction of populations of spreading navarretia (*Navarretia fossalis*) and San Jacinto crownscale (*Atriplex coronata* var. *notatior*), despite their inclusion among species to be conserved under Riverside County's Multi-species Habitat Conservation Plan, of which the SJWA is a vital unit. Mistakes such as these might be avoided through implementation of an enlightened management plan.

Without going into detailed analysis, it should be pointed out that the Plan would benefit from re-organization/prioritization of resource management to recognize the essential basic need to preserve natural communities, to manage them for long-term sustainability, and to balance anthropogenic objectives in an unbiased and sustainable manner.

Sincerely, Greg Ballmer

President, TCCL
PO Bax 51127
Riverside, CA 92517



San Bernardino Valley Audubon Society

P. O. Box 10973, San Bernardino, California 92423-0973

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DEPARTMENT OF FISH & GAME
STATE OF CALIFORNIA

June 28, 2016

Department of Fish and Wildlife
Eddy Konno, Senior Environmental Scientist
Bermuda Dunes Field Office
78078 Country Club Drive, Suite 109
Bermuda Dunes, CA 92203

By email to SanJacintoWLM@wildlife.ca.gov (subject line: SJWA LMP NOP Scoping Comments)

Subject: Scoping Comments on the Notice of Preparation (NOP) of a Draft Environmental Impact Report for the San Jacinto Wildlife Area Land Management Plan Project

Dear Mr. Konno,

The San Bernardino Valley Audubon Society (SBVAS) is the local chapter of the National Audubon Society for almost all of Riverside and San Bernardino Counties. SBVAS has about two thousand members in that area, with about half of them in Riverside County. Its missions are the protection of natural habitat for birds and other wildlife, and public education about the environment. It is a 501c(3) organization.

The San Bernardino Valley Audubon Society (SBVAS) has been involved with the San Jacinto Wildlife Area (SJWA) since its inception. SBVAS helped found SJWA and contributed about 50 acres to the original wildlife area. The Audubon Society is on the list of contributing organizations at the entrance to the Wildlife Area because of this support. SBVAS has consistently lobbied for the expansion of the SWJA for many years. Our members are frequent visitors to the wildlife area, and we recognize its preeminent importance in southern California to hunters and non-hunters alike. SJWA is unsurpassed in inland southern California for its significant and concentrated populations of raptors, waterfowl, and songbirds. The SJWA is the core of the Audubon-designated San Jacinto Valley Important Bird Area (SJV IBA). IBAs are designated per scientific criteria – they are not just nice spots to go birding – and the SJV IBA has been designated as being of global significance because of its importance to the Pacific Flyway. The SJWA is integral to the preservation of a variety of threatened, endangered and sensitive species, as was formalized in its designation as a core area in the Western Riverside County Multiple Species Conservation Plan (WRCMSHCP).

In recent years, SBVAS has become concerned that some of the listed and sensitive species are not thriving on the Wildlife Area. We have been eagerly anticipating the Land Management Plan (LMP), in hopes that its formulation will provide an opportunity to take stock of the many species that depend on the Wildlife Area and of the management practices that could best help those species thrive.

Now, having read the LMP, we are disappointed in its contents and apprehensive about how its deficiencies might be addressed in the upcoming DEIR. Our main frustration with the LMP is that it contains little data other than acreages, locations, and general guidelines. The results of ongoing monitoring by the WRCMSHCP on the Wildlife Area are not reported. The goals and requirements of the WRCMSHCP for managing sensitive, threatened and endangered species on the San Jacinto Wildlife Area are extensive and clear. The LMP does not appear to address to what extent these goals are being met. This disconnect must be addressed and rectified in the DEIR.

As an example, while certain areas are designated for Stephen's Kangaroo Rat (SKR) management, we are unable to determine 1) how these areas have actually been managed; 2) whether management guidelines have been followed; and 3) most importantly, how SKR populations have responded to existing management practices and other extrinsic factors. This information is absolutely critical. The LMP cannot be properly assessed and improved without it. One specific concern over SKR that is not addressed in the LMP is the ecological role of Stink-net (*Oncolsiphon piluliferum*), an introduced plant that in recent years has taken over large swaths of land designated as SKR management areas. How is this plant affecting SKR populations? What efforts have been taken to contain or reduce populations of Stink-net? The DEIR must address all of these SKR management issues.

SBVAS is also concerned about management for the threatened and endangered alkali plants that occur on the SJWA. There does not appear to have been any active management to benefit these species. Indeed, SBVAS has observed areas designated in the LMP as being managed for the benefit of these species instead being converted to agriculture or ponds. When land is flooded long enough to support cattails and bulrushes for semi-permanent wetlands, the natural winter flooding regime is disrupted and alkali playa plants are eliminated. Similarly, these plants do not tolerate conversion to agriculture. The LMP points out in section 4.2.2 that some vernal pool vegetation has not been mapped and that alkali/vernal pool plant species are found "in a mosaic with annual grasslands". In general, the unique alkali plant species found on the SJWA appear to have been neglected. The public needs to know that management for these species has not been successful. Will that information be in the DEIR? Or will the DEIR simply reiterate what could theoretically be done to foster the existence of the plants and their alkali playa/vernal pool habitat?

The Tricolored Blackbird (TRBL) has recently been proposed for listing because the species is in severe decline. It has been afforded legal protection while it is being assessed for threatened or endangered status. The southern California population contains several unique genetic alleles that are considered critical to the species' genetic diversity and survival. The SJWA is in turn, critical to the maintenance of a robust population of TRBL in southern California. SBVAS has been active in monitoring TRBL populations in southern California, and has made many observations of colonies in the northern San Jacinto Valley, including the Wildlife Area for many years. We personally observed the successful nesting of TRBL in 2015 at the Wildlife Area, due only in part to active management. The colony along Davis Road was successful due to the spring-summer wetlands created by SJWA managers. The colony at Little Ramona Duck Club was not managed by CDFW/SJWA. The weed patch colony in the Mystic Lake bed was serendipitously facilitated by poor management of the experimental TRBL plantings designed by

MSHCP biologists. After the rough but lucky beginning in 2015, 2016 proved to be disastrous for TRBL on the Wildlife Area. The Little Ramona ponds were dry, and the SJWA managers did not put water into the spring-summer wetlands soon enough to allow nesting by TRBL. The ill-advised mowing of the cattails at this location prior to the late flooding was also detrimental to TRBL. The upland nesting plot was once again mismanaged as a wetland, but this time there was no excessive runoff to form the weed patch used by TRBL in 2015. The only colony we observed on the Wildlife Area was of 100-150 birds in one of the Walker Ponds, as compared to over 2,500 birds in 2015. This information should be in the LMP but it is not. The DEIR therefore needs to document and analyze the successes and failures of 2015-16 so that active management for Tricolored Blackbird in the future can be optimized. The LMP, while acknowledging the importance of SJWA to this species, is thin on specific recommendations. Also lacking in the LMP is any information on the listing process for TRBL and the surveys and other research documenting this species decline and its populations in the San Jacinto Valley and elsewhere in California. Indeed, solid information of the TRBL, perhaps the most critical species to be managed on the SJWA, is almost completely lacking in the LMP. We ask for supporting data for the statement in the LMP that the San Jacinto Valley cannot support the numbers of TRBL that have historically been observed there. This is a concern for SBVAS, given the trends in land lost to development and the possible effects of climate change and vegetation conversion. The DEIR must address all of these TRBL management issues.

With regards to Burrowing Owl (BUOW), we believe the data presented in the LMP to be outdated, incomplete, or both. Figure 4.3 shows about 10 occurrences of this species on the Davis Unit. How many of these are unoccupied burrows as opposed to occupied burrows and living birds? How many are recent active introductions that may or may not have survived? Statements from numerous expert birders and researchers have all said the same thing, which is that Burrowing Owls have experienced a precipitous drop on the San Jacinto Wildlife Area in the past decade, and that they are barely hanging on there. WCMSHCP biologists relate that most if not all of the Burrowing Owls released at the Wildlife Area have disappeared. What can be done on the SJWA to revive this species? What might be the causes for its decline? The LMP does not attempt to answer these questions. It will be encouraging if the populations on the Portrero Unit are still viable, but every effort should be made to maintain this iconic species on the Davis Unit as well. The DEIR must address all of these BUOW management issues.

Raptor biology is also given short shrift in the LMP. This is a chance for the SJWA to claim great success. The SJWA has some of the highest wintering raptor populations in southern California, and possibly nationwide. Why is this? What is going right? Data needs to be presented, and not just in the silly dot-distribution maps that dominate the LMP. It is not appropriate to show single locality occurrences for wide-ranging raptors, particularly when there is copious data available from eBird, Christmas Bird Counts, North American Birds and wildlife surveys. The individual sighting dots, especially of wide-ranging or common species are just not useful. Raptor perches have been a conspicuous addition to the Wildlife Area in recent years, and benefit bird photographers and birders, but they make little if any contribution to the actual numbers of the raptors. Rather, it is the habitat itself and the large prey base that is most important. What management practices contribute to this large prey base at the Wildlife Area? How much do raptors move between the Wildlife Area and the surrounding agricultural land? These are discussions we look forward to in the DEIR.

There is very little information in the LMP on shorebirds. It is good to mention nesting Black-necked Stilts or American Avocets, but the real and potential impact of the Wildlife Area is in the thousands of migrant and wintering shorebirds that breed in the Arctic and western prairie. Birders are often perplexed at the perpetual filling and drying of the ponds on the Wildlife Area that rarely seems to be in synch with shorebird migration. We understand that the ponds are not being managed for these long-distance migrants, but it is quite possible that minor changes in pond management and maintenance could accommodate and support far greater numbers of shorebirds than at present. Currently, birders often find more shorebirds at the Ramona Duck Club than at the Wildlife Area. The DEIR must address these shorebird management issues.

Riparian habitat is another success story for the Wildlife Area with regards to non-game species. The narrow bands of riparian woodland add essential biological diversity, and in recent years have been visited by the listed Least Bell's Vireo (LBVI). Once again, the LMP is extraordinarily lacking in information. How many LBVI have colonized the Wildlife Area? Where are they concentrated, and what habitat characteristics do they depend on? We would like the DEIR to include a discussion of the possible benefits of widening some of the riparian galleries to reduce edge effects and cowbird parasitism. What are the merits to cowbird trapping to further increase populations of LBVI, Yellow Warblers and other songbirds? There is an area in the northern part of the Davis Unit that is proposed for a wider riparian grove. It would be useful to see the discussion that went into planning for that grove, and the reasons for that particular location and acreage. The DEIR must address these riparian habitat issues

With regards to the possible reintroduction of Western Pond Turtle to the Davis Unit, we expect the DEIR to address the real challenges to establishing a self-perpetuating population of this species. We were unable to find any mention of predatory bullfrogs as a serious impediment to reintroduction, nor any analysis of the cost of captive-rearing juvenile turtles beyond their most vulnerable age that other west coast introduction efforts have had to resort to. There may be no pond management practices that can be adopted to bring down bullfrog populations, but it should at least be explored. Similarly, we look forward to the DEIR discussing what can be done to foster Western Spadefoot Toad populations on the SJWA. In the past, this species bred in the ponds directly across from the headquarters, back when they were managed as seasonal wetlands and bordered with quailbush rather than cattails. Also, please remove the record for California Tiger Salamander from the occurrence maps. That species most emphatically does not occur in this area. The nearest remaining population is in Santa Barbara County. The DEIR must address these herpetile management issues.

Housing and warehouses are proposed right up to the borders of the San Jacinto Wildlife Area. This potential development constitutes an extremely serious threat to the ecological integrity of SJWA. Important foraging areas for raptors, Tricolored blackbirds and other wildlife would be eliminated, and connectivity to other blocks of open habitat would be lost. The LMP does not adequately address the far-ranging affects of a developed northern San Jacinto Valley. The DEIR must address this deficiency.

One final issue that the plan fails to address is budgeting and staffing. Plans in general often assume that everything in the plan will somehow get done, but this is not usually the case in

California's current budget climate. The issues of expenses of adequate staffing must be addressed. For budgeting, the plan must address which plans are most important to the mission of the SJWA and come up with priorities to be used if budgets prove inadequate. As to staffing, currently the manager of the SJWA is also manager of the Wister Unit at the Salton Sea, with a driving distance of over 100 miles between the two locations. This is terrible staffing and land management practice. The DEIR must address these issues.

Our discussion here shows that there are often conflicts between managing for different species on the Wildlife Area. While SBVAS would like to see spring-summer wetlands dominated by cattails or bulrushes for Tricolored Blackbirds, this is not compatible with winter vernal pools and the rare plants and animals like Spadefoot Toad that they support. This is just one example of why a comprehensive Land Management Plan is so important. The SJWA is extremely important to a wide variety of species in addition to waterfowl and raptors, as is clearly stated in the WRCMSHCP. SBVAS understands that difficult choices will need to be made to accommodate such a diverse assemblage of species and habitats. We look forward to a DEIR that will help craft a creative, comprehensive Land Management Plan for the San Jacinto Wildlife Area and vastly improve upon the current draft.

Sincerely,



Dave Woodward

Conservation Committee, San Bernardino Valley Audubon Society

GERMAN SHORTHAIRED POINTER CLUB
OF SAN DIEGO



July 2, 2016

To: California Department of Fish and Game

From: German Shorthaired Pointer Club of San Diego

Subject: San Jacinto Wildlife Management Plan Project

Our club would like to comment that we support the proposed changes to the Hunting Dog Training Area at San Jacinto Wildlife Recreation Area. The proposed change of adding the additional 220 acres (section D11) to the current 267 acres (section D13) would be a wonderful addition for dog training and hunt tests. We also support the Future Potential increase of section D7 of 316 acres. Our club is in support of the preservation of the upland small game areas for public use.

Please send any future correspondence to me for information gathering or action. Our club is interested in any assistance we can be to further this plan.

Leita Estes, President German Shorthaired Pointer Club of San Diego

PO Box 1830

Ramona, Ca 92065

Cell 619-922-2025



CALIFORNIA
NATIVE PLANT SOCIETY

Riverside-San Bernardino Chapter

4477 Picacho Drive
Riverside, CA 92507

Attn: Eddy Konno
California Department of Fish and Wildlife
78078 Country Club Drive, Suite 109
Bermuda Dunes, CA 92203

July 7, 2016

RE: SJWA LMP NOP Scoping Comments

Dear Mr. Konno,

The California Native Plant Society (CNPS) is a non-profit volunteer organization dedicated to the conservation and preservation of California's native flora. The Riverside/San Bernardino Counties Chapter of CNPS works to increase the public awareness of the significance of native plants and to preserve the native vegetation of Riverside and southwestern San Bernardino Counties. These comments pertain Notice of Preparation of a Draft Environmental Impact Report regarding the San Jacinto Wildlife Area Land Management Plan Project, dated June 6, 2016. Please add our chapter to the notification list for further documents.

Our comments are directed toward vegetation and rare and sensitive plant species that are associated with the San Jacinto Wildlife Area (Wildlife Area), especially the Davis Unit. Our members are less familiar with the Portero Unit, although it is generally known that the area is a critical linkage corridor for plants and wildlife. Linkage corridors over environmental gradients are increasingly important in this era of rapid climate change. The area has potential to link lowland areas to higher, upland areas and for movement through the hills. The area also links the badlands to the northwest to the San Jacinto Mountains to the southeast, which is critical. The EIR should at the very least address the effects of hunting small game on the areas potential success as a linkage corridor for both plants and animals.

The link also offers the Final Draft of the San Jacinto Wildlife Area Land Management Plan. It is unclear from the NOP whether this document is provided for informational purposes, or if we are supposed to be providing comments on its review. A lengthier comment period would be necessary to provide a detailed review of this document but we have provided some comment as it clearly could use additional work.

As you are aware, the Wildlife Area is a critical region to conservation of wildland areas in the Perris Basin of western Riverside County. The Davis Unit, especially, is of critical significance to alkali soil dependent vegetation communities in southern California and contains about one third of such habitat remaining in western Riverside County. The EIR needs to consider how the Land Management Plan addresses conditions that are known to be favorable to the continued existence of alkali soils dependent plants and alkali vegetation communities as well as conditions and land use management actions that would be detrimental to population persistence and growth of rare plants and the foundation taxa.

The alkali habitat, has been variously named. Ferren et al. (1996) called these alkali communities associated with the San Jacinto River flood plain, seasonally flooded alkali vernal plain. The primary subcomponents are alkali vernal pool, alkali playa, native alkali grassland, and alkali scrub. The habitat is associated with specific alkali, especially the Trevor, Chino, and Willows soils. Reflecting the narrow and declining availability of this habitat, the seasonally flooded alkali vernal plains habitat supports nearly a dozen species of sensitive and rare plants, including the State and Federal listed thread-leaved brodiaea (*Brodiaea filifolia*), and Federal listed spreading navarretia (*Navarretia fossalis*), and San Jacinto Valley crown-scale (*Atriplex coronata* var. *notatior*).

These alkali habitats, while resistant to light disturbance such as dry land farming alternating with fallow years and occasional discing (though discing can eliminate the perennial components of the community), are highly susceptible to more penetrating disturbances such as irrigated cultivation, soil chemistry changes from manure dumping, development, and conversion of habitat to artificial ponds that are flooded during the warm season, which is a frequent management practice at the Wildlife Area. Within the wildlife area, some of these areas, which have undergone long-term disturbance and disruption of hydrology have been converted to non-native annual grassland.

With the decline and lack of adequate protection of these alkali habitats outside the Wildlife Area, it is especially critical that land management practices do not result in further declines of suitable habitat for the rare and sensitive plant species dependent on these habitats within the Wildlife Area. Especially challenging to the conservation of these plants has been the ongoing cumulative degradation of nearly 2,000 acres of habitat just south of the Wildlife Area from the Ramona Expressway to Perris. Starting in about 1998, and especially between 2004 and 2010, manure dumping in this area greatly impacted the habitat. Full restoration, once a fairly easy and inexpensive task requiring perhaps three to five years, would now take decades and require a large financial expense to overcome the changes in soil chemistry within this area. New recycled water sources have also allowed some of these areas to undergo irrigation, which is also damaging to the alkali habitats.

We recognize that the Wildlife Area must consider a wide diversity of species conservation within its management responsibilities, especially to waterfowl and hunting. However, in light of impacts to alkali habitats outside its boundaries, it is now vitally important to the conservation of the alkali habitats and the rare and sensitive plants dependent upon them that the Wildlife Area conduct appropriate conservation management for its botanical resources now more than ever. In addition to conserving existing seasonally flooded vernal alkali plain, historic alkali habitat within the Wildlife Area, some of it now quite disturbed, should be considered a priority for restoration.

Improved conservation management and alkali restoration would also be consistent with the conservation goals as described in the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP). It is important to continue efforts to conserve this habitat beyond the boundaries of the Wildlife Area, but especially along the San Jacinto River, the Wildlife Area is a key conservation area.

C.1 Purpose of the Land Management (pg. 3)

We again emphasize that native plant elements gain significant attention as part of the land management strategy and the EIR should reflect this. Waterfowl and hunting management is important but while providing habitat for the Wildlife Area's diverse avian diversity is important, birds do fly and other areas in southern California do offer opportunities for these species. Many of the alkali habitat dependent plants are found only in a very narrow region on or in the immediate vicinity of the Wildlife Area and that represents their entire global range. The MSHCP has thus far not provided much on the ground benefit for these species in areas outside the Wildlife Area, especially in relationship to habitat alteration from manure dumping, which was especially intense during the five-year period following the plan's approval.

Historically, the Wildlife Area has not done a great job with rare plant management. For example, the ponds right across the office building were constructed in habitat known to support federally endangered species and at least

a half dozen other rare plants. Some of those plants are still found in small fragmented patches adjacent to the pond. Also, there are circumstances where ponding for waterfowl is not inconsistent with rare plant conservation, however, this is only the case where ponds are filled in the winter and let dry during the warm months of the year. Clearly it is not necessary to put all the ponds on a winter only wet cycle but some, such as the one adjacent to the office probably should have been on a wet-in-winter cycle only. Perhaps the rare and sensitive plants that occupied that location in the early 1990s would still be there today had the Wildlife Area considered this. Certainly new ponds should not be placed in areas that support even degraded alkali habitat. These areas, if not already in a fairly natural state, could be restored to support rare and endangered plants.

D. Potential Environmental Effects

The EIR should review and provide an analysis of how clearly the Land Management plan has presented a description and distribution of alkali habitats, other plant communities and especially rare, sensitive, and endangered plants within the Davis and Portrero Units. The Land Management Plan should have detailed discussions regarding these features, including detailed accounts, clear maps, and identify potential impacts and benefits to these plants, especially those listed below. The EIR should also address how well the Land Management Plan has summarized previous survey data and compared this to the current status of the plants (since 2013). The available Final Land Management Plan (Dudek 2016) does not appear to address the subject with any detail or its writers were unaware of easily obtained information regarding some of the sensitive species at the Wildlife Area (see comment on the Land Management Plan below). The EIR should also analyze the plans goals/methodology/funding sources for alkali habitat restoration. Key sensitive plant species at or near the Davis Unit of the Wildlife Area, which should be addressed in the plan include but are not limited to:

Atriplex coronata var. *notatior*, San Jacinto Valley crown-scale (Federal endangered, CRPR 1B.1) [alkali]
Atriplex parishii, Parish's brittle scale (CRPR 1B.1) [historic occurrences adjacent, suitable habitat present]
Atriplex serenana var. *davidsonii*, Davidson's salt scale (CRPR 1B.1) [alkali]
Brodiaea filifolia, thread-leaved brodiaea (State endangered, Federal threatened, CRPR 1B.1) [alkali]
Calochortus plummerae, Plummer's mariposa lily (CRPR 4.2) [hillsides; not yet recorded but almost certainly present]
Centromadia pungens ssp. *laevis*, smooth tarplant (CRPR 1B.1) [alkali]
Deinandra paniculata, paniculate tarplant (CRPR 4.2) [alkali, grasslands]
Hordeum intercedens, vernal barley (CRPR 3.2) [alkali]
Lasthenia glabrata ssp. *coulteri*, Coulter's goldfields (CRPR 1.B) [alkali]
Lepidium virginicum var. *robinsonii*, Robinson's peppergrass (CRPR 4.3) [hillsides, bajadas; not yet reported but almost certainly present; note that this variety is not recognized in the newest Jepson Manual, however CNPS and CDFW disagree with the author's assessment and continue to recognize this taxon in the Rare Plant Inventory, therefore it should still be considered in the EIR.
Nama stenocarpa, mud nama (CRPR 2B.2) [Mystic lakeshore, possibly more widespread]
Trichocoronis wrightii var. *wrightii* (CRPR 2B.1) [alkali wetlands; only recent reports in southern California, or all of California for that matter, are from subunit D7].

The EIR should also consider how the Land Management Plan has addressed species that could be within the Wildlife Area that are currently not known on the Wildlife Area but have reasonable potential to occur there, such as *Chorizanthe parryi* var. *parryi*, Parry's spineflower (CRPR 1B.1) and *Abronia villosa* var. *aurita*, chaparral sand-verbena (CRPR 1B.1). These plants are known from hill systems and bajadas adjacent to the Wildlife Area but to our knowledge, has not yet been found in the Davis Unit.

The EIR should also consider how the Land Management Plan has identified non-native plant threats and proposed management strategies. Non-native plants can be highly competitive and overwhelm native plant communities. Seasonally flooded alkali vernal plain, in good condition or with small disturbances, is usually somewhat resistant

to non-native weedy invaders on account of the soils chemistry. However, increased pressure on adjacent land use, lack of seasonal flooding due to the draught or water management have made alkali habitats less resistant than they have been historically. Some of the exotics arriving in the area are more tolerant of alkali conditions. Other habitats, especially grassland and coastal sage are more at risk. For example, in recent years, stink net (*Oncosiphon piluliferum*) has become widespread within the Davis Unit. While present when I first became familiar with the area, this exotic did not carpet wide expanses of the Wildlife Area as it does today. The Management Plan will need to address this species especially. In addition, Sahara mustard (*Brassica tournefortii*) has invaded the higher, rockier areas adjacent to the alkali habitats. The effect of this species on upland habitats needs to be addressed.

Final Draft Land Management Plan for the San Jacinto Wildlife Area

We only had time to review some aspects of the Final Draft Land Management Plan but we hope these comments improve the final product. Our brief examination of portions of the document suggest that the entire document could use a detailed review. It is a bit disappointing that Dudek, with its long history with western Riverside County environmental issues and especially the MSHCP seemed to be unaware of key details regarding sensitive plant species, some of which were available in the MSHCP itself. For example, the preparers should have been aware of the relationship and status of *Atriplex pacifica* and *A. serenana* var. *davidsonii* in western Riverside County.

As with the NOP, in part because of the short review period and our lack of familiarity with the Portrero Unit, our comments largely pertain to the Davis Unit.

Management Subunit descriptions, 2.3.1, pages 2-15 through 2-25

The descriptions of these units should also include a summary of alkali soils, especially Willows, Trever, and Chino soils, and their extent within the subunits. The alkali soils play directly to the significance of the unit to conservation of sensitive species reliant on these soils. For many of these species, the extent of these soils match potential suitable habitat limits whether the plants have been recorded recently or not. It is also important in terms of alkali habitat restoration. One element of the alkali habitat that has basically disappeared from the Wildlife Area but was still prevalent at Hemet, at least through 2010, is native alkali annual grassland, largely dominated by vernal barley (*Hordeum intercedens* and *H. depressum*). These two species are still present at the Wildlife Area but the extensive grasslands were lost as a result of dryland farming activities over the years. The San Jacinto River Valley is one of the few places in California where extensive native annual grasslands are found.

The distribution of paniculate tarplant (*Deinandra paniculata*) is poorly documented at the Wildlife Area. However, it apparently is relatively widely distributed (D. Bramlet, pers. comm., July 2016). Very likely it belongs on many of the subunit lists. Most of the species recommended for addition to the subunit descriptions below are available in the CNDDB.

Management Subunit D3, page 2-16:

Smooth tarplant (*Centromadia pungens* subsp. *laevis*) should be added to the list of sensitive plants known from this subunit.

Management Subunit D5, page 2-19:

Alkali habitat also is found in the eastern portion of this subunit where San Jacinto Valley crownscale is known to occur. San Jacinto Valley crownscale should also be added as one of the units features.

Management Subunit D7, pages 2-20 to 2-22

The manufactured pond mentioned in the first paragraph is a classic example of poor rare plant management. The development of the pond removed important rare plant habitat supporting two federally endangered species, and others. A population of over 100,000 spreading navarretia, for example was known from this site in the 1990s. Water management at the pond now largely precludes native sensitive plants from using the site. While fragments of these populations adjacent to the pond, considering the status of the plants at this location, the Wildlife Area could certainly have done better both in positioning the pond and managing the hydrology to keep at least the more water dependent species (like spreading navarretia) at the site. We would like to see the new management plan include provisions to avoid impacts like these in the future.

Spreading navarretia should be added to the description of sensitive plants utilizing subunit D7 in addition to smooth tarplant and Wright's trichocoronis (*Trichocoronis wrightii* var. *wrightii*), a CRPR 2B.1 plant. It might be worth noting that subunit D7 supports the only reliably found population of this plant in California and one of fewer than five known in the United States. Thus, it will be critical that the Land Management Plan addresses conservation and management of this plant.

One sensitive plant species listed is south coast saltscale. The document is inconsistent in its treatment of this saltbush, here treating it as *Atriplex pacifica* but in other places (Table 3-3, 4-4a, etc.) as *A. serenana* var. *davidsonii*. *Atriplex pacifica* is a name that was applied to these plants briefly in the 1990s while botanists attempted to sort out the identity of the plant. The plants are most definitely not *A. pacifica*. The plants have been treated as *A. serenana* var. *davidsonii* in recent years and that is the name that should appear in this document. The writers should refer to page P-94 of volume 2 of MSHCP EIR (Dudek 2003) for a good explanation regarding the history of this plant. I believe the writers have access to this document.

Management Subunit D8, page 2-22

Smooth tarplant should be added to the list of sensitive plants within the subunit.

Management Subunit D12, page 2-24

San Jacinto Valley crown-scale and Coulter's goldfields (*Lasthenia glabrata* subsp. *coulteri*) should be mentioned as sensitive plant species found in this unit.

Management Subunit D13, page 2-24 and 2-25

Davidson's saltscale is also present in this unit according to the CNNDDB.

Management Subunit D15, page 2-25

Coulter's goldfields, Smooth tarplant, and Davidson's saltscale are all known from the northern portion of this unit and should be added to the description.

Table 3-3, pages 3-30 and 3-31

Some of the species included on this list have little relationship to either the Davis or Portrero Units of the Wildlife Area, for example, Johnston's roc cress (*Arabis johnstonii*), Munz's mariposa lily (*Calochortus palmeri* var. *munzii*) are both found only south of the Wildlife Area, generally at much higher elevations than found on the Davis Unit especially. These species should be deleted.

Atriplex pacifica and *Atriplex serenana* var. *davidsonii* are both listed on Table 3-3. In Riverside County, references

to either are referring to a single species, *A. serenana* var. *davidsonii*. *Atriplex pacifica* is strictly a species known to occur within about 5 miles of the Pacific Ocean (mostly on immediate sea bluffs). As previously mentioned, see P-94 of the MSHCP EIR vol. 2 (Dudek 2000) for a discussion regarding this saltbush. Technically, these plants represent an undescribed species that are closely allied with *A.s.* var. *davidsonii* and *A. coulteri* and it is endemic to the Perris Basin of western Riverside County. The undescribed taxon is mentioned under the description for *A. coulteri* in the second edition of the Jepson Manual.

4.1 Methods, page 4-1

It does not look like a number of available resources for rare plant distribution were utilized in preparation of this plan, including the MWD Eastside Reservoir Studies (1991) for the Portrero area, the MWD Inland Feeder EIR, which included surveys of the Wildlife Area, or Julie Green's botanical 1993 survey of the Wildlife Area (which resulted in many of the vouchers for the area now available at the California Consortium of Herbaria). Also not cited, and perhaps not reviewed include Dave Bramlet's Lovell Unit Botanical Survey (1996). The California Consortium of Herbaria also does not appear in the citation and some rare plant distribution discussions suggest the writers were unaware of this wonderful resource.

4.2.2 Herbaceous Vegetation, page 4-10

Note that *Navarretia fossalis* is called "Moran's navarretia". The document is inconsistent with the common name of this plant (see Table 3-3 for example where it is spreading navarretia). Spreading Navarretia is the correct name.

The last paragraph does discuss annual alkali grassland (note it is technically *native* annual alkali grassland). We are glad to see this community mentioned in the document. Before agricultural activities were widespread across subunits D7 and other areas, this must have been a fairly common vegetation subtype based on the fact that some of the species are sporadically encountered and similar habitats that escaped farming at Hemet are on similar habitat and soils. Not that the description here largely pertains to the native annual alkali grassland as it is found in Hemet. Species such as little mouse-tail and graceful hair grass are not known to occur on the Wildlife Area.

Rare, Threatened, and Endangered Species, Table 4-4a:

This table summarizes the status of special-status plants observed within the Davis Unit of the Wildlife Area. Note that Wright's trichocoronis does not occur in riparian forest or vernal pools. It is a species associated with seeps and alkali marshes. Ironically, it is one of the few sensitive plant species are likely compatible with summer wet artificial ponds within the Wildlife Area. Apparently Dudek was not aware of Julie Greene's finds circa 2005, or recent survey results from the MSHCP monitoring community, all records available through the Consortium of California Herbaria. These plants have been documented repeatedly within the Wildlife Area at least through 2011 within Subunit 7.

Atriplex pacifica and *A. serenana* var. *davidsonii* should be combined into a single line (under the latter). All reports on the Wildlife Area represent the same species. It is currently believed that these represent an undescribed saltbush that would be endemic to western Riverside County and it would effectively be found only along the San Jacinto River, west of Hemet, and at the Nichols Wetland with a slightly smaller distribution than San Jacinto Valley crowscale. As it is, Davidson's saltbush was effectively extirpated from coastal southern California between 1935 and 1960 so regardless if treated as distinct, this is a very rare saltbush and should get special attention at the Wildlife Area.

Nama stenocarpum. Note: the correct spelling for this name is *Nama stenocarpa*. "Moran's navarretia" should be "spreading navarretia".

Rare, Threatened, and Endangered Species, Table 4-4b, expected species:

Payson's jewelflower, should be moved to Table 4-4c. This is a higher elevation, largely desert edge species not anticipated to occur in the vicinity of the Davis Unit (see California Consortium records). Mojave tarplant should also be moved to 4-4c if retained at all, there is no reason to believe it will be found at the Davis Unit. Many-stemmed dudleya should be moved to table 4-4c, the Wildlife Area is east of the closest known sites about 15 miles away in the Gavilan Hills and is not anticipated to occur in the area. Bristly-sedge, Horn's milk-vetch, and Hall's Monardella should be deleted. The first two species are not even known to occur in Riverside County and live in different habitats than found in the Wildlife Area. Hall's monardella could potentially be on Portrero but not only is "moderate potential" very optimistic, the chaparral and woodland habitats it requires do not exist in the Davis Unit.

Intermediate mariposa lily. Delete calcareous habitat from vegetation. It has no affinities for limestone-derived soils. Probably this should be on Table 4-4c as the Davis Unit is outside the known or expected range of this plant.

Rare, Threatened, and Endangered Species, Table 4-4c, low potential to occur:

The title of this table should be changed to "Species with low potential to Occur or not Expected to Occur within the Davis Unit."

The plan presents long tables of special status plant species that are not found in the region and have virtually no chance of being found at the Davis Unit based largely on altitude restrictions and habitat requirements. This material should be moved to an appendix. It should be replaced with a section addressing plant species of local concern or other species of limited distribution within the region that are found on the Wildlife Area (A list of local concern species can be found in *The Vascular Plants of Western Riverside County, An Annotated Checklist* by F.M. Roberts, S.D. White, A.C. Sanders, D.E. Bramlet, and S. Boyd, F.M. Roberts Publications, San Luis Rey, CA, 2004). Some examples would include: *Amaranthus californica*, *Bergia texana*, *Caulanthus lasiophyllus* var. *rigidus*, *Echinodorus berteroi*, *Lepidium latipes* var. *latipes*, *Petunia parviflora*, *Phacelia ciliata*, and *Plantago elongata*.

As a blanket observation, the following species should have "low potential to occur" changed to either "not expected to occur" or simply be dropped from the table for lack of remote association with the Davis Unit. Los Angeles sunflower for example, is a coastal species and has not been recorded in Riverside County. Why was the subalpine plant, *Arenaria lanuginosa*, even considered? Los Angeles sunflower, beautiful hulsea, marsh sandwort (outside its known range, never reported in Riverside County), heart-leaved pitcher sage Pringle's monardella (outside known range), San Miguel savory, lemon lily (not even remotely suitable habitat and a high elevation species), Parish's checkerbloom (too high, not known to occur in Riverside County) scalloped moonwort, San Bernardino grass-of-Pamassus (high elevation, not known to occur in Riverside County), San Bernardino gilia, southern alpine buckwheat Chickweed oxytheca, Parish's alumroot, San Bernardino Mountains owl's clover, salt marsh birds-beak (a COASTAL salt marsh plant), and Cleveland's monkey flower. Note that Gambel's watercress is within the elevation range of the species, but since the plant is largely extirpated throughout its range, it has an extremely low potential.

Table 4-5B Potential plants for Portrero, page 4-32

RCA monitoring reports note that *Calochortus plummerae* is located on the Potrero Unit. The information should be updated & the RCA rare plant monitoring reports should be cited in the text.

4.4.1.1 Davis Unit, Alkali plant species, page 4-73

Delete south coast salt scale. In western Riverside County, this is the same thing as Davidson's saltbush (south coast salt scale was an interim name for the plants in the early 1990s.

On page 4-74, I believe the reference to a David Bramlet assessment of the alkali community on the Davis Unit (1983) is in error. Dave became aware of the alkali issues on the Wildlife Area circa 1987. He did conduct a botanical assessment of the Lowell Unit (roughly equivalent to subunit D13 in March 1996. Dave did distribute a discussion of alkali habitat and sensitive species covering habitats at Hemet and the San Jacinto River in 1992. Perhaps this is the document the writers are referring to.

Threats/Management Considerations

We disagree with the document assessment that the distributions of the sensitive species are well understood. Most available data is decades old and there has never been a comprehensive botanical assessment of the entire Wildlife Area. The plan should identify such a survey as a high objective since it is critical to management issues and placement of new ponds, etc.

Many of these species *tolerate* some disturbance, they are not specifically adapted to disturbance. With the possible exception of smooth and paniculate tarplants, virtually all the other alkali dependent species would benefit from management that did not encourage disturbance with the exception of sporadic flooding. However, we agree with the preparers that more information is needed. Starting with a comprehensive survey of sensitive species in the Davis Unit.

Other Plant Species

The examples for potential occurrence, Mojave tarplant and Nevin's barberry are poor choices. Neither of these species are expected on the Davis Unit. A more appropriate choice would be chaparral sand verbena or Parry's spineflower, species that are known from similar habitats as found in the Davis Unit and known from either adjacent lands or within a few miles.

Section 4.5 Non-native pest species

This section fails to address important invasive, weedy plant species found on the SJWA. An entire chapter should be prepared on the existing issue of stink net (*Oncosiphon piluliferum*) at the Wildlife Area. Entire communities have now been lost to dense stands of this weed & the report needs to review the procedures to map the infestation and a long-term program to reduce the infestation at the Wildlife Area.

This section of the management plan needs to review all of the potentially invasive plant species occurring at the Wildlife Area (e.g. *Brassica tournefortii*, *Mesebranthemum nodiflorum*), note procedures to annually survey the SJWA for infestations of invasive weeds, along with mapping all the invasive plant species per management unit.

The plan should note the development of procedures to document long-term alterations of sensitive plant communities at the Wildlife Area. The issues include: the potential decline of Riversidian sage scrub; alteration of alkali communities; and changes in structure of the annual grasslands. Simple photo monitoring techniques (ANR 8067) could be used to document the changes to these communities at the Wildlife Area.

Section 5.2 Biological Resource Management, page 5-14

We did not fully review this section due to lack of time but management is a critical element to conserving the alkali habitats and the sensitive species dependent on this habitat. In the past, the track record in this area has been generally poor, especially in the creation of new waterfowl ponds in high quality alkali habitat. The plan appears to present relatively vague solutions on just how to rectify this. We would like to see a system implemented where the creation of new ponds get at least as much

attention as development under the MSHCP. Certain areas should simply be avoided and in all cases, the proposed sites should be surveyed prior to any pond expansion approvals, the sensitive plants species noted, the significance of the site considered, and any actual impacts adequately mitigated. The use of seasonal wetlands should be given priority in true alkali areas and efforts should be made to better synchronize the use of these wetlands to the benefit of the more moisture tolerant sensitive species and waterfowl needs.

Table 5-3, Evaluation of Management Strategies

Grazing on sensitive plant species should be added to Cons. Grazing should not be done in alkali habitats during seasons of flowering and seed dispersal.

5.2.2 Alkali Communities, Task BE 2.1, pg. 5-19 and 5-20

The uncertainty in maintaining alkali habitats has much more to do with manageable human related activities than alterations on the flood plain and historical agricultural uses. The habitat and species reliant on it are more flexible than many rare elements. The primary causes for decline are habitat disturbance and gross manipulation of soil chemistry (manure dumping). Even sporadic significant flooding events on a scale of once every 10 or 15-years should be adequate to maintain the communities and their components. On the Wildlife Area, it is critical that some sources of water, primarily the recycled water currently used on the land is maintained. For example, Wright's trichocoronis is probably reliant on external water sources.

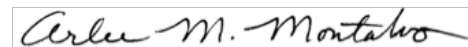
Section 6

As with Section 5, we did not have time to fully review the elements of this section. However, we are concerned that proposed agricultural expansions (Task 4 indicates that the current 70 acres under active production could be expanded to 400 acres) could take place in alkali soil areas. We believe such activities should avoid alkali soils.

Respectfully submitted:



Fred M. Roberts
Riverside-San Bernardino Chapter CNPS Rare Plant Chair



Arlee M. Montalvo
Riverside-San Bernardino Chapter CNPS Conservation Co-Chair

Cited References:

Dudek 2003. Final MSHCP Volume 2-B, Species Accounts, Plants. Prepared for the County of Riverside.

Ferren, Wayne R., Fiedler Peggy L., Leidy Robert A., Lafferty Kevin D., and Mertes Leal A. K. "WETLANDS OF CALIFORNIA, PART II: CLASSIFICATION AND DESCRIPTION OF WETLANDS OF THE CENTRAL AND SOUTHERN CALIFORNIA COAST AND COASTAL WATERSHEDS." *Madroño* 43, no. 1 (1996): 125-82. <http://www.jstor.org/stable/41425129>.

Ferren, Wayne R., Fiedler Peggy L., Leidy Robert A., Lafferty Kevin D., and Mertes Leal A. K. "WETLANDS OF CALIFORNIA, PART III: KEY TO AND CATALOGUE OF WETLANDS OF THE CENTRAL AND SOUTHERN CALIFORNIA COAST AND COASTAL WATERSHEDS." *Madroño* 43, no. 1 (1996): 183-233. <http://www.jstor.org/stable/41425130>.



7/8/2016

Eddy Konno, Senior Environmental Scientist
78078 Country Club Drive, Suite 109,
Bermuda Dunes, California 92203
SanJacintoWLM@wildlife.ca.gov

RE: SJWA LMP NOP Scoping Comments

Dear Mr. Konno

The following scoping comments for the Draft Environmental Impact Report (DEIR) on the Land Management Plan (LMP) for the San Jacinto Wildlife Area (SJWA) are submitted on behalf of the members and staff of the Center for Biological Diversity (the “Center”). The Center is a non-profit environmental organization dedicated to the protection of native species and their habitats through science, policy, and environmental law. The Center has over 48,400 members throughout California and the western United States, including residents in western Riverside County and in the SJWA region. The Center has worked for decades to protect imperiled plants and wildlife, open space, air and water quality, and overall quality of life for people in the Inland Empire.

LMP Fails to Provide Specific Management Prescriptions

We are very concerned about the LMP in general due to its lack of specificity in management prescriptions and strategies, particularly for rare and endangered species. Substantial improvements to the LMP are necessary in order to have the LMP be a useful plan. These improvements need to be done before a DEIR is produced. Significant investments have been made over the years to assemble the SJWA units, and a large part of those investments originated from mitigation funding for destruction of rare and endangered species habitat and loss of wetlands from development (LMP at Table 1-1). The LMP needs to maintain the original mitigation obligations. Yet the LMP fails to provide specific actions to assure the mitigation obligations will be achieved.

LMP Fails To Implement WR MSHCP

While the LMP recognizes that the SJWA units are “core areas” for the Western Riverside Multiple Species Conservation Plan (WR MSHCP), it is short on specifics for appropriate management of the species included in the WR MSHCP and that occur on SJWA.

Prior SJWA management actions have in fact impacted rare plants and animals¹. The WR MSHCP relies upon the SJWA to protect these species as part of the comprehensive strategy to allow development of their habitats elsewhere. As written the LMP appears to downplay the importance of the SJWA as a core area for the WR MSHCP. The LMP currently states the generalized language from the

1 <http://www.pe.com/articles/wildlife-599415-club-conservation.html> ; <http://www.pe.com/articles/plants-637217-club-duck.html> ; <http://www.pe.com/articles/club-648115-duck-work.html>

MSHCP. For example, the WR MSHCP requires “conserve alkali playa”. We certainly support conserving alkali playa, but the LMP provides no direction on how is the SJWA going to implement conservation or how much alkali playa will be conserved. The LMP must provide clear conservation goals, protective measures and recovery actions for each of the nearly 80 “covered” species and for the conservation requirements by the WRMSHCP that occur on the SJWA.

LMP Fails to Implement SKRHCP

The LMP fails to adequately address management for the Stephen’s kangaroo rat (SKR) as part of the requirements of the Stephen’s Kangaroo Rat Habitat Conservation Plan (SKRHCP). As the LMP acknowledges “The Potrero Unit was acquired as replacement habitat for the core reserve established at March Air Force Base under the SKRHCP.” (LMP at 4-80) and goes on to state that “The Potrero Unit is not currently managed for SKR habitat other than limited public access to the site and reduced speed limits at night.” (LMP at 4-80). While the LMP goes on to identify numerous threats to SKR, which need to be managed in order for the Potrero Unit to actually function as “replacement habitat” for the March Air Force Base reserve, we were unable to find any proposal actions in the LMP to manage those threats.

The LMP does state that “Ongoing management is required to maintain habitat quality within occupied SKR habitat areas and active restoration, followed by ongoing management, is required to expand SKR populations on site.” (LMP at 4-82). The problem is that the LMP previous states that the unit is not currently being managed for SKR (see above). Management actions need to be clearly identified in the LMP.

For the Potrero Unit and SKR, the LMP also states that “The cost of this ongoing management may be a limiting factor in the maintenance of SKR populations and more cost effective ways of maintain habitat quality should be explored” (LMP at 4-82). This statement is mystifying, based on the fact that the SKRHCP has significant funding², but few opportunities for acquisition and spending.

Water Contingencies

The LMP fails to adequately address issues relating to water availability for the SJWA and fails to provide contingency scenarios if recycled water is either not available or less water is available in the future (due to availability and/or cost). With the ongoing drought in California³ and the climate change modeling for the area⁴, it is certain that water is becoming and will become a scarcer resource. The LMP must address this crucial issue and include contingencies in management strategies.

CEQA Checklist Incomplete

While the Notice of Preparation (NOP) includes the Environmental Checklist (Attachment 1), it fails to actually provide answers to the questions, which is typically done in all CEQA NOPs. The failure

² http://www.skrplan.org/docs/annual_reports/skr_annual_report_10_11.pdf (most recent annual report available from 2011)

³ <http://drought.ca.gov/>

⁴ <http://cal-adapt.org/tools/factsheet/>

to include an initial analysis of the Environmental Checklist greatly disadvantages the ability to usefully comment on the NOP. Once the issues identified above and in other's comments on this NOP are addressed in an updated LMP, a new NOP should be released which includes a completed CEQA Environmental Checklist.

Other Issues

Biological Surveys and Mapping

The Center requests that thorough, seasonal surveys be performed for sensitive plant species and vegetation communities, and animal species. Full disclosure of survey methods and results to the public and other agencies must be implemented to assure full CEQA/ESA compliance.

Surveys for the plants and plant communities should follow California Native Plant Society (CNPS) and California Department of Fish and Game (CDFG) floristic survey guidelines⁵ and should be documented as recommended by CNPS⁶ and California Botanical Society policy guidelines. A full floral inventory of all species encountered needs to be documented and included in the EIR. Surveys for animals should include an evaluation of the California Wildlife Habitat Relationship System's (CWHR) Habitat Classification Scheme. All rare species (plants or animals) need to be documented with a California Natural Diversity Data Base form and included the California Department of Fish and Game using the CNDDDB Form⁷ as per the State's instructions⁸.

The Center requests that the vegetation maps be at a large enough scale to be useful for evaluating the impacts. Vegetation habitat mapping should be at such a scale to provide an accurate accounting habitat types that will be directly or indirectly affected by the proposed activities. A half-acre minimum mapping unit size is recommended, such as has been used for other development projects. Habitat classification should follow CNPS' Manual of California Vegetation (Sawyer et. al. 2009).

Adequate surveys must be implemented, not just a single season of surveys, in order to evaluate the existing on-site conditions. Due to unpredictable precipitation, organisms have evolved to survive in these arid conditions and if surveys are performed at inappropriate times or year or in particularly dry years many plants that are in fact on-site may not be apparent during surveys (ex. annual and herbaceous perennial plants).

Impact Analysis

The EIR must evaluate all direct, indirect, and cumulative impacts to sensitive habitats, including impacts associated with the establishment of unpermitted recreational activities, the

⁵ <http://www.cnps.org/cnps/rareplants/inventory/guidelines.php> and http://www.dfg.ca.gov/biogeodata/cnddb/pdfs/Protocols_for_Surveying_and_Evaluating_Impacts.pdf

⁶ <http://www.cnps.org/cnps/archive/collecting.php>

⁷ http://www.dfg.ca.gov/biogeodata/cnddb/pdfs/CNDDDB_FieldSurveyForm.pdf

⁸ http://www.dfg.ca.gov/biogeodata/cnddb/submitting_data_to_cnddb.asp

introduction of non-native plants, the introduction of lighting, noise, and the loss and disruption of essential habitat due to edge effects.

A number of rare resources have high potential to occur on this site as identified in Table 3-3 of the LMP. Therefore, the EIR must adequately evaluate any impacts, address those impacts and propose effective ways to avoid, minimize, and mitigate the impacts to these resources through alternatives including alternative goals and management techniques. The EIS must clearly show how the LMP complies with overlapping HCPs discussed above.

Alternatives

The EIR must include a robust analysis of alternatives. At a minimum alternatives including the no-action alternative, an environmentally preferred alternative and alternatives that address differing water and management scenarios.

Other Issues

The management activities could increase greenhouse gas emissions and those emissions should be quantified and off-set. Similarly, such activities may also impact air quality and traffic in the area and these impacts should be disclosed, minimized and mitigated as well. For mobile sources, since consistency with the AQMP will not necessarily achieve the maximum feasible reduction in mobile source greenhouse emissions, the EIR should evaluate specific mitigation measures to reduce greenhouse emissions from mobile sources.

Fire Impacts

Because the public access and some management activities could increase the potential for human-caused fire to occur on site, fire prevention including best management practices must be addressed and clearly identified in the EIR - not only on-site protection of resources, but also preventing fire from moving into the adjacent lands.

Non-Native Plants

The EIS must identify and evaluate impacts to species and ecosystems from invasive exotics species. Many of these species invade disturbed areas, and then spread into the SJWA. Fragmentation of intact, ecologically functioning communities further aides the spread and degradation of plant communities⁹. These factors for wildland weed invasions are present in the SJWA, and their effect must be evaluated in the EIR. Additionally, landscaping with exotic species is often the vector for introducing invasive exotics into adjacent habitats. Invasive landscape species displace native vegetation, degrade functioning ecosystems, provide little or no habitat for native animals, and increase fire danger and carrying capacity¹⁰ and should be banned from the project site.

⁹ Bossard et al 2000

¹⁰ Brooks 2000

Wildlife Movement

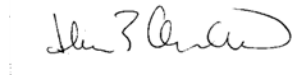
The EIR should analyze wildlife movement corridors in all units of the SJWA and provide management prescriptions to assure their resiliency and that they remain extant. The EIR should also evaluate whether the wildlife movement corridors would provide key resources for species, such as host plants, pollinators, or other elements. For example, many species commonly found in wetland areas depend on upland habitats during some portion of their cycle. Therefore, both wetland and upland habitat protection is needed for these species. Upland habitat protection is also necessary to prevent the degradation of aquatic habitat quality.

Cumulative Impacts

Because of the number of currently proposed projects in the SJWA's vicinity, a thorough analysis of the cumulative impacts from all of these projects on the resources needs to be included.

Thank you for your consideration of these comments. Please add us to the distribution list for the updated LMP and the EIR and all notices associated with this project.

Sincerely,



Heene Anderson
Senior Scientist
Center for Biological Diversity

cc via email

Karin Cleary-Rose, USFWS, karin_cleary-rose@fws.gov

Tom Plenys, EPA, Plenys.Thomas@epa.gov



July 8, 2016

Mr. Eddy Konno
Senior Environmental Scientist
78078 Country Club Dr., Suite 109
Bermuda Dunes CA 92203

Re: SJWA LMP NOP Scoping Comments

Dear Mr. Konno:

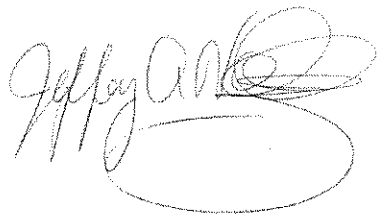
Thank you for the opportunity to comment on the scoping of the Draft Environmental Impact Report for the San Jacinto Wildlife Area Land Management Plan Project. California Waterfowl has provided work to improve managed wetlands areas in the San Jacinto Wildlife Area, particularly on Mystic Lake. California Waterfowl generally approves of the Draft Land Management Plan and its provisions regarding managed wetlands, waterfowl hunting, and hunting dog training, in its present form.

The California Waterfowl Association is a statewide nonprofit organization whose principal objective is the conservation of the state's waterfowl, wetlands, and hunting heritage. CWA believes hunters have been the most important force in conserving waterfowl and wetlands. CWA works with a wide variety of stakeholders dedicated to the protection, preservation, restoration, and management of California's wetland habitats. These stakeholders include the Audubon Society, the Nature Conservancy, Ducks Unlimited, the Central Valley Joint Venture, American Rivers, the Northern California Water Association, the Rice Commission, farmers and other private landowners, the California Department of Fish and Wildlife, the U.S. Fish and Wildlife Service, and many others.

In particular, California Waterfowl approves the goals stated in Biological Element 3: Wetland Communities. The primary goal being to enhance existing and develop new wetland resources for a variety of game and nongame species and ensure the protection of wetland resources during development of future SJWA facilities and other potentially non-compatible uses. The Environmental Impact Report should address the importance of the San Jacinto Wildlife Area in maintaining a remnant of California's once vast wetlands. The wildlife area is a major component of the remaining wetlands and waterfowl hunting areas in Southern California. These wetlands not only provide habitat for migratory and resident waterfowl, but also other migratory birds, including shorebirds. Maintaining and managing this wetlands habitat should be a primary goal of the Land Management Plan and a focus of the Environmental Impact Report.

Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeffrey A. Volberg". The signature is written in a cursive style with a large, prominent "S" at the end.

Jeffrey A Volberg
Director of Water Law & Policy



SAN GORGONIO CHAPTER

4079 Mission Inn Avenue, Riverside, CA 92501 (951) 684-6203

Regional Groups Serving Riverside and San Bernardino Counties: Big Bear, Los Serranos, Mojave, Moreno Valley, Mountains, Tahquitz, Santa Margarita

Dear Mr Konno,

July 8, 2016

Re:Scoping comments on the Notice of Preparation (NOP) of Draft Environmental Impact Report (DEIR) for the San Jacinto Wildlife Area (SJWA) Land Management Plan (LMP) project.

The Sierra Club has been involved with the San Jacinto Wildlife Area (SJWA) since soon after its inception. We worked with its first two wildlife biologist managers to enhance and expand it. They both did a good job to honor the Departments mission found below.

"The mission of the CDFW is to manage California's diverse fish, wildlife, and plant resources and the habitats upon which they depend to preserve their ecological value and to foster their use and enjoyment by the public." (page 1-2 Draft LMP for SJWA)

In recent years the Sierra Club cannot say the mission statement has been honored. We do not see that the all sensitive, threatened and endangered species as well as those covered by Western Riverside Counties Multiple Species Habitat Conservation Plan (MSHCP) habitats have been managed to benefit the species. The last wildlife biologist manager even conducted studies on plants and animals species which were in conflict with each other. This was done to find the best methods to help each species. The DEIR needs to explain all such studies that have been done since his departure and how that information has been applied. We have waited for several years for this LMP with the hope that it would set a new tone at the SJWA and we still have hope that will be the result as responses to comments are made.

That which has allowed the SJWA to expand at the Davis unit has been access to recycled water from Eastern Municipal Water District (EMWD). This has been beneficial for the species as well as the hunting community. When the SJWA was originally formed, many never envisioned it at its current size, but some did and we also see it continuing to expand, but we will need access to all 4,500 acre feet of water which is in the current contract. This plan needs to be about the future and the future should not be limited by a contract which reduces the amount of water you have under contract with the EMWD. While you may say you do not have the money at this time to pay for all the water, you must maintain the right to the full 4,500 acre feet for the future when this can and will change. Maintaining shorebird habitat needs to be a higher priority at the SJWA. It takes years for invertebrate populations to really build up. The SJWA seems to maintain some areas for a period of time then shuts the water off. Shorebird habitat should be managed consistently for the benefit of shorebirds. The DEIR must show how this will be done now and consistently in the future.

The Sierra Club hopes that the DEIR will have chart, slides and maps which are not four years old. Currently we are reading 2012 on too many. They all need to be updated. The data collected for the biological monitoring program of the MSHCP as approved by the RCA needs to be more clearly shown and include that collected in 2015. In the past more than 60 species covered by the MSHCP used the SJWA and made it part of their home. The DEIR needs to show how those species as well as their necessary habitat have been and are being and will be actively managed for their long term survival.

The NOP reads: *"CDFW has prepared the LMP to help guide its future planning and management operations for the SJWA. The general purpose of the SJWA is to **protect and enhance habitat for plant and wildlife species** and to provide the public with **compatible, related recreational uses.**" (Page 3)*

I have seen areas become wetlands that destroyed plant communities that should have been protected. I know of at least one burrowing owl nesting area bulldozed and there are other concerns since we lost our

onsite wildlife biologist. As mentioned above the DEIR must show how you are protecting the habitat for both wildlife and plant species and only allowing "compatible, related recreational uses." It needs to show for each recreational use allowed needs to be shown how it is compatible with the protection and enhancement of habitat for plants and wildlife species during each of the 12 months of the year — pinpointing which months are the most critical for each species. These recreational uses include, but are not limited to bird-watching, all forms of hunting, biking, horseback riding and dog training. The Sierra Club looks forward to reading the section of the DEIR which will provide this information.

The Stephens' Kangaroo Rat (SKR) Habitat Conservation Plan (HCP) recognizes the Sand Jacinto Wildlife Area and Lake Perris State Park (SJ-LP) as a core reserve totaling 10,932 acres. Within the SJ-LP, there are approximately 3,640 acres of SKR occupied habitat. The entire core reserve at the SJWA needs to be shown in the DEIR along with its share of the occupied habitat. How many of these acres are within the SJWA and how many are within Lake Perris? The SKR HCP doesn't recognize a division between the two areas since both CDFW and State Parks are managed by the State of California Resources Agency which has expressed its commitment to ensure that these two agencies will manage lands in the SJ-LP reserve consistent with the goals of the SKR HCP. The DEIR needs to fully explain how the SJWA and Lake Perris are coordinating their efforts on the management of the SKR. I know both are having problems with the stinknet plant (*Oncolsiphon piluliferum*) which seems to be taking over much of the SKR habitat. I believe the wildlife biologist at Lake Perris is writing grants to be able to try different methods to control this increasingly destructive plant. I haven't seen much efforts at the SJWA to do anything except to watch it grow and maybe some mowing. As the NOP quote found above reads "the LMP is to help guide future planning and management operations". The Sierra Club looks forward to seeing what will be done reverse the expansion of the stinknet and do better by the SKR through active management. Will SJWA manage the area at the base of the Lake Perris dam for SKR or any other species and their habitat? Please fully explain this area's future with the SJWA. In Figure 5-4 it shows that the Potrero unit will add two visitor centers/interpretive areas as well as additional parking

lots/trail heads. The DEIR needs to show that these proposed uses will not impact SKR habitat. What has the Department of Fish and Wildlife (DFW) done to “protect and enhance” SKR habitat at each unit in the past and the DEIR must show what active management will be done in the future? The DEIR needs to spell out these plans or it will be inadequate. When the SKR were originally listed and the SJWA was selected as part of a core reserve, Fish and Game committed to significant additional money for their management, but have never fulfilled that commitment. Will that be done in the future?

The Sierra Club is concerned that according to Figure 5-7 a large portion of both units are recommended for upland small game. Areas east of Davis road appear to be currently open for this hunting, but it was my understanding that only the area west of Davis Road was open for this hunting. The DEIR needs to fully explain what hunting regulations and limitations apply to the SJWA. It will be important to read in the DEIR how these hunting activities are “compatible” with protecting and enhancing habitat for plant and wildlife during each month of the year. I believe the DFW closes its doors for several months at the Imperial Wildlife Area each year to non-hunters. Will this plan or DFW ever entertain that possibility for either unit of the SJWA? This needs to be addressed in the DEIR. There has been information that leads one to believe that both Coyotes and Bobcats would be allowed to be hunted as part of this plan. Does it make sense to open the Wildlife Area to hunting a species that is covered by the MSHCP? Coyotes as well as Bobcats are an important and necessary part of the ecosystem. They play an essential role in the regulation of rodent populations and reduce numbers of ground squirrels and rabbits and therefore maintenance costs of levees from the damage done by burrowing animals. Why would an unnecessary and ecologically unsound hunting program be implemented for coyotes at the expense of other programs urgently needed to conserve other MSHCP covered plants and animals on the SJWA. The Sierra Club expects to read in the DEIR how the DFW and SJWA, as part of the MSHCP, can allow such hunting for animals covered by the plan.

The plant community at the SJWA has some very special species which require active management “to protect and enhance

habitat".The DEIR needs to explain how all the recreational uses we listed above will be actively managed throughout the entire year to not negatively impact these threatened/endangered plants and, if it happens, what actions will be taken to prevent it in the future.

Establish hunting refuges for waterfowl within the Wildlife Area. Most of the National Wildlife Refuges do this. The Wildlife Area should provide some habitat for ducks where the birds can rest and store up reserves for the winter free from the stress of hunting. The Wildlife Area should be a refuge for ducks too. It would be good if one or more of these areas were located in habitat favored by some of the rarer species like Wood Ducks. The current limiting of hunting days each weeks does this, but there is some concern that there is a possibility of increasing the number of waterfowl hunting days which would make this suggestion needed. The DEIR must explore this and show how this could be a way for the DFW to implement its mission statement.

The Sierra Club believes that it is important that lands set aside for agriculture should first be planted to help the survival of species which are in significant decline or which have already been listed as sensitive or threatened or endangered. This includes, but is not limited to Tricolored Blackbirds, Burrowing Owls and Horned Larks. Those plantings need to remain until the species has been able to take full advantage of the crop. The DEIR must show what areas have been planted in the past few years and what areas are proposed to be planted in the future. The crops should not just be just for the person who may lease the lands for what they want planted, but must be planted to serve those species who need it most. The DEIR must list what crops will be planted and what species will be served by the crop. The DEIR must also list species which could be helped by a planting of a certain crop, but which isn't receiving that planting to "enhance habitat" that it needs. It appears from Figure 5-8 that subunit D11 around Bridge Street pond which was used for crops benefiting Tricolored Blackbirds is being considered for Dog Training. This is an example of an activity that appears not to be "compatible" with much needed "enhanced habitat". A better option might be D5.

The DEIR must do a better job of showing all linkages/wildlife corridors needed to allow the SJWA and MSHCP to function at the highest level. It needs to explain which species will use the linkage/wildlife corridor. It also needs to explain the dimensions for the entire length/width of each linkage/wildlife corridor. Since the LMP is about the future of the SJWA, there needs to be a full explanation of how the Davis and Potrero Units will be connected by a viable wildlife corridor/linkage. Which species will it serve and what could be better than what now exists? What is needed to make a viable wildlife corridor between Lake Perris and Mount San Jacinto? The DEIR would should explain how having such a corridor would benefit both units of the SJWA.

The Sierra Club has read the comment letter from the San Bernardino Valley Audubon Society (SBVAS) dated June 28,2016. We fully agree with their letter and especially the sections on the Tricolored Blackbird, Burrowing Owl, raptors and shorebirds. Their booklet on the Birds of the San Jacinto Valley Important Birding Area can be read upon clicking on the following link: http://media.wix.com/ugd/09ca00_728292545f674c7b8b52209faafbf723.pdf . The SJWA is an important part of this wonderful booklet and the DEIR needs to address how DFW can actively manage its resources in the short and long term to allow future generation to enjoy those species listed within it. This includes how you will interface with approved and proposed projects on both your northern as well as southern borders. The approved 40,600,000 sq ft World Logistic Center (WLC) warehouse project on the SJWA's northern border will generate water, noise, light, and air pollution will impact many resources of the SJWA. The Sierra Club needs to read in the DEIR how the SJWA will interface with this massive project to reduce its impacts on all the wonderful resources we now enjoy. This must also include how it will also impact all forms of hunting and other recreational uses. The proposed 8,000 unit Villages of Lakeview (VOL) on the southern border of the SJWA will probably release its EIR prior to the LMP's approval. The DEIR needs to address the impacts caused by commercial and significant housing on its southern border. The same analysis for the the WLC needs to also be done in the DEIR for the VOL as well as the Mott housing project which are shown in Figure 2-11.

The Sierra Club has heard for years that there isn't money to actively manage the Davis unit of the SJWA for all the MSHCP species that occur and especially to have a wildlife biologist on site as was the case for about the first 25 years. We also are repeatedly told that we cannot sign a contract with EMWD to maintain 4,500 acre feet of water for another 20 years because DFW doesn't have the money. We are now reading this plan with Potrero unit being upgraded with visitor/interpretive centers and additional parking lots and trail heads. It appears almost 75% is also being open for small game hunting. All of this takes money and ongoing management. The Sierra club believes if you have the money to open up the Potrero unit with the proposed infrastructure and required management, then you have money to maintain our current contract for another 20 years with EMWD for the water we will need in the future. It shows that there must be money to hire additional people for the needed active management of the Davis unit. The DEIR needs to show how the Davis unit could be better managed if the resources that appears to be directed at the Potrero unit was instead spent at the Davis unit. The other possibility is that the DFW plans to spread the current Davis unit staffing even further by requiring them to also manage the Potrero unit. The DEIR needs to explain what happens in this situation.

The Sierra Club appreciates this opportunity to write some of our thoughts and concerns about this very special areas that we have enjoyed for years. Our name is listed as one of the contributing organizations at the entrance and we hope to continuing contributing for many more years. Please use the address below my name to notify me of future meetings and documents in a timely manner.

Sincerely,

George Hague
Sierra Club
Moreno Valley Group
Conservation Chair

26711 Ironwood Ave
Moreno Valley, CA 92555

Printed on Recycled Paper.To explore, enjoy and preserve the nation's forests, waters, wildlife, and wilderness.

From: [Margaret P](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP Scoping Comments
Date: Monday, June 20, 2016 11:25:58 AM

I fully support preparation of an EIR for the long range management plan. With inappropriate plans for gigantic warehousing projects in the Moreno Valley/Gilman Springs area, a plan to protect the San Jacinto Wildlife Area is vital. Please add me to the project notification list. Thank you.

Margaret Park
11831 Orange Grove Circle
Moreno Valley, CA 92555
Robinsonpark2@gmail.com

From: [Eugene N Anderson](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: LMP NOP Scoping Comments
Date: Tuesday, June 28, 2016 3:12:44 PM

Dear Friends:

I am writing in connection with the proposed plan for the San Jacinto Wildlife Area, to make the following simple points:

1) the wildlife refuge desperately needs to set FIRST priority at saving the seriously endangered, and also the threatened, species there, of which there are many. That really should take precedence over hunting, birdwatching, etc.

2) one threatened habitat, probably with endangered species, is the alkali grassland/meadow habitat.

This habitat, formerly extremely widespread in the San Jacinto drainage, has been shrinking fast--much of it within my lifetime. There are only a few acres left, many if not most of them on the San Jacinto Wildlife Area. There should be a very high priority set on preserving, and preventing degradation of, this habitat.

Thank you for your attention.

E. N. Anderson
4263 Quail Rd.
Riverside, CA 92507

From: [Joe Fass](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Cc: [Joseph Fass](#)
Subject: The California Department of Fish and Wildlife (CDFW) has prepared a draft Management Plan for the San Jacinto Wildlife Area (SJWA).
Date: Thursday, June 30, 2016 12:52:38 PM

California Department of Fish and Wildlife
Attention: Eddy Konno, Senior Environmental Scientist Mailing Address: 78078 Country Club Drive,
Suite 109 Bermuda Dunes, California 92203

The following are my comments to the Draft Plan for the San Jacinto Wildlife Area:

As a member of the Ramona Hunt Club (Wildon Associates) which is immediately adjacent to the San Jacinto Wildlife Area (and part of the DFW Easement Program), a member of the Friends of the Northern San Jacinto Valley, Audubon and the Sierra Club, I applaud the draft Management plan and appreciate the efforts of the DFW for putting together such a comprehensive document. The plan strikes an important balance amongst wildfowl hunters, birders and nature enthusiasts. As a result, the document values and serves all in the community that use the Wildlife Area. As you know, hunting currently occurs only two day a week during the short waterfowl and upland game bird seasons, allowing adequate access to the Wildlife Area for non-hunters as well as hunters like me who also enjoy watching birds and wildlife during the majority of the time when hunting does not occur. I look forward to a continued balance of land use for hunting as well as non-hunting pursuits and believe that the Draft Plan adequately addresses each activity in a fair and equitable manner. The Plan is congruent with past DFW Management practices and does not disrupt but rather expands the access already in place for all who enjoy the SJWA. While I speak only for myself, I believe the commitment to the habitat that Birders, Nature lovers and Sportsmen & Women have in common has presented this magnificent opportunity to create a plan absent of a specific deference to selected single-purpose interests. The key to any good plan is public access and serving the publics recreation needs in a fair manner. I believe this plan strikes the balance needed to achieve these goals. In addition, I applaud the Plan to expand hunting opportunities as these activities promote increases to year-round habitat improvement which expands wildlife attraction, viewing and the general enjoyment to all who visit the SJWA. Additionally, the hunting activity provides the much needed funding to support the finances for the Wildlife Area and provides more access to areas that are currently underutilized by bird watchers, nature lovers and hunters alike.

Thank you for your efforts.

Joseph Fass
211 Campbell Ave
Redlands, CA 92373
310-874-0829
jfass@pricefass.com

From: [Jered Karr](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP Scoping Comments
Date: Tuesday, July 05, 2016 7:48:14 PM

Please don't close San Jacinto Wildlife Area to everyone except hunters during the months of October to February. Those are the best times to bird there and I don't think it is fair to birders at all.

From: [Katherine Klusky](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP Scoping Comments
Date: Tuesday, July 05, 2016 3:32:21 PM

You would close it to everyone but HUNTERS? For FIVE MONTHS? Who are they, royalty?

That is public land, not hunters' land. This is just wrong.

From: bhaskark2@gmail.com on behalf of [Bhaskar Krishnamachari](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP Scoping Comments
Date: Tuesday, July 05, 2016 4:36:39 PM

To Whom It May Concern:

As a birder who has visited SJWA several times, I would like to urge you to continue permitting and allowing for significant amounts of birdwatching and other non-hunting uses of the San Jacinto Wildlife Area throughout the year. In particular, there has been concern in some quarters that hunting uses of the area will be increased from the present limit of two days per week (wednesdays and saturday). I would urge you not to permit such an increase in hunting activity.

In particular, I support the CDFW's current stance reflected in the wording in the LMP which states:

"Although many members of the hunting recreational users would like to open hunting to both Saturday and Sunday during the hunting season, CDFW believes that, given the high value of wetlands for non-waterfowl hunting recreation uses, it is important to maintain the current restriction allowing hunting only on Wednesdays, Saturdays, and during special event Sundays, in order to allow a weekend day (Sunday) for passive recreation uses throughout the SJWA during the hunting season."

Indeed, I would even be in favor of reducing / restricting the hunting season further, though imagine this will not be easy to do.

Sincerely,
Bhaskar Krishnamachari

Professor of Electrical Engineering
USC Viterbi School of Engineering
<http://ceng.usc.edu/~bkrishna/>

From: alineandcurtis@aol.com
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP Scoping Comments
Date: Tuesday, July 05, 2016 5:34:39 PM

Dear Eddy Konno, Senior Environmental Scientist,

I am an active field ornithologist who resides in Riverside and one of many who regularly visit the San Jacinto Wildlife Area year-round, but primarily in the fall and winter months (September to April) in search of birds. I regularly try to census birds at this site and I usually enter these observations into eBird, a project administered by the Cornell Laboratory of Ornithology and the National Audubon Society. I also review records from Riverside County for this project. Both in my personal visits and having reviewed many reports by others from the wildlife area for eBird, I wish to stress how important it is that this site remain open to the public over the course of the winter when bird numbers and visitation by birdwatchers are at their peak. The present closures on hunt days should be sufficient to eliminate conflict between hunters and birdwatchers and other wildlife enthusiasts.

Given that this site depends on the water inflows, it is also critical that water continues to flow at the site either at or in excess of the current levels, and in fact, having more water during the summer months would benefit migratory shorebirds in July and August, periods when water is typically now at a minimum at this site. Without water, the wildlife area would effectively cease to exist and provide habitat for most of the wildlife species that are now found here, including several rare or sensitive species.

Thank you for your time and attention to this matter and please do your best to insure that the San Jacinto Wildlife Area continues to represent one of the best freshwater marsh sites anywhere in southern California and that it remains open for wildlife viewing year-round.

Sincerely,

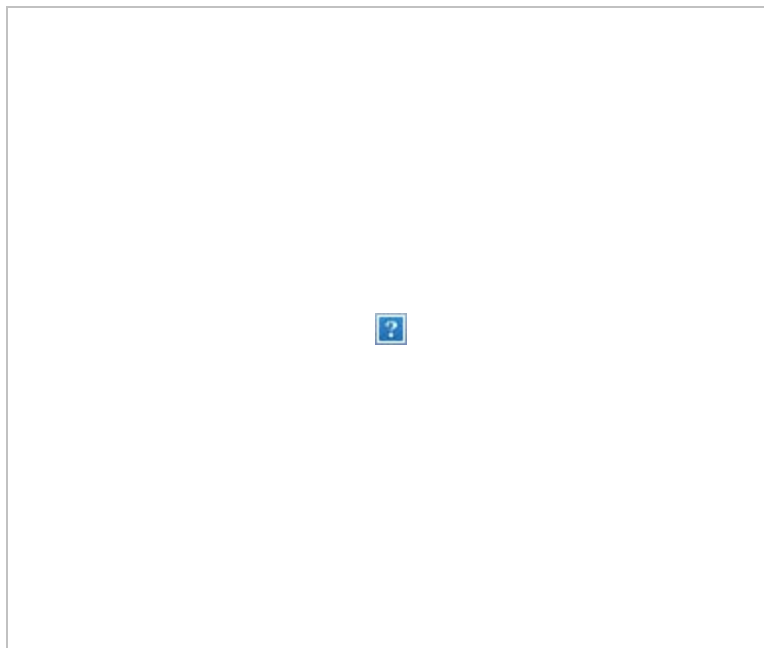
Curtis Marantz
1310 Le Conte Drive
Riverside, CA 92507

From: [Rose Marx](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP scoping comments
Date: Tuesday, July 05, 2016 11:26:17 PM

July 5, 2016

To whom it may concern:

I was not able to make the public scoping meeting. I do have some concerns. I have been going out to San Jacinto Wildlife Area since 2009 as a birder and wildlife observer. I have seen a lot of changes to the Wildlife Area. Some good and some I do not understand why. Especially the way the ponds are filled or let to dry, starting about spring. Then water put back in then maybe dried again until August when the hunting ponds are filled. For the birds left there in the summer makes it hard for them to breed or possible survive. I have seen where there were Black-necked Stilt nests one time I came out. Then a couple of days later I came back and the nests were under water. Also spreading navarretia is found at the Wildlife Area. Some of the areas where this plant has been found are now under water most of the year.



Spreading navarretia

I would like to know what the future policy of the use of parking lots A1, E3 and Rainy Day. Are these parking lots continued to be used only by hunters and the general public will still not be able to use them? If the general public is not allowed to use these parking lots, why not?

There should be more meetings with the public. We may observe things that the biologist that oversees the area may not be aware of. Many of us keep notes of our observations and report our bird lists to ebird.org. The data on these lists can be reviewed on ebird. There have been many rare birds to our area seen there such as the Gyrfalcon.

I also understand that there is a proposal to close the Wildlife Area to the general public from October to February. That is some of the best time for bike riding, horseback riding, birding, etc. Right now there are non-hunting public that is trying to save the Wildlife Area from development.

So our thanks for doing this, is that we do not get to use the Wildlife Area for the best time of the year? Everyone has used the Wildlife for years. Why chance this now?

Sincerely,
Rosedith Marx (rockingwren@gmail.com)

From: [Art Raya](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP Scoping Comments)
Date: Tuesday, July 05, 2016 4:12:13 PM

The following are our concerns:

(1) The Plan proposes that expansion of hunting activities can never be a significant impact to the plants, wildlife and people who use the SJWA. Such expansion may not only result in the expansion of areas devoted to waterfowl hunting, but also to areas devoted to dog training and other related activities. In addition, the SJWA may be closed to all but hunters during the months of October through February, as in done as the Imperial Wildlife Area near the Salton Sea. These unnecessary expansions of hunting would have a significant negative impact on the plants, animals and people who occur on and use the SJWA.

>

> (2) The SJWA is a core reserve for the Western Riverside County Multiple Species Management Plan (MSHCP) and is home to over 60 of the 146 species protected from extinction by the MSHCP. The plan must ensure, which it does not now, that the SJWA is a MSHCP reserve first and a hunting and birdwatching, mountain biking, horse back riding area second. The plants and animals who occur on the wildlife area are the first priority, otherwise the area is just another urban park.

>

> (3) The plan must ensure that the SJWA continues to be able to purchase, as an affordable price and at appropriate times for plants and wildlife, recycled water from Eastern Municipal Water District. The wildlife area could not exist as a core MSHCP reserve and as a premier hunting area in southern California without reclaimed water. The current contract's 4,500 acre feet per year must be guaranteed for decades into the future in order to fulfill all the expansions of wildlife habitat mentioned in the Management Plan and to fulfill its MSHCP obligations.

>

> Our goal in making comments is to end up with a good management plan which will guide the conservation of plants and animals and provide for appropriate public uses of our public trust lands and wildlife for future generations.

Thank you.

Art & Sharon Raya

From: [Christopher Taylor](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP Scoping Comments
Date: Tuesday, July 05, 2016 4:39:33 PM

Deeply disturbed by the fact this public piece of land will be restricted solely to hunters between October and February... I'm sure you'll be receiving many other similar e-mails from people bothered by this and I certainly hope that this closure to birders and wildlife photographers will not be the case.

--

Christopher Taylor
Marina del Rey, CA
<http://kiwifoto.com>

From: [ovibose gmail](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: San Jacinto Wildlife Area - SJWA LMP NOP scoping comments
Date: Tuesday, July 05, 2016 4:21:17 PM

To: Eddy Komo, Senior Environmental Scientist
California Dept of Fish and Wildlife

I understand that there is a plan underway to possibly close the San Jacinto Wildlife Area in Moreno Valley to anyone other than hunters during the autumn and winter months.

I have been bird-watching in SJWA with friends, as well as with local Audubon Society chapters, for several years. It would be a shame if the Dept of Fish and Wildlife closed this area to birders and other visitors.

I strongly support leaving the SJWA open to birders and other visitors on certain days of the week throughout the hunting season, as the current policy allows.

Thank you for your consideration,
Don White
Culver City, CA 90230

From: [Linda Freeman](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP Scoping Comments
Date: Wednesday, July 06, 2016 10:50:34 AM

Dear Wildlife.ca

The San Jacinto Wildlife area is a multi-use treasure in Riverside County.

The area is used by hunters, bird watchers, home-schools, San Jacinto Community college science field trips, local school field trips and locals that like to walk and picnic and enjoy nature.

The area should be kept as a multi-use so that the residents can enjoy this area.

Thank you,

Linda Freeman
23250 Clipper Ct
Canyon Lake, CA 92587
951-244-5512

L & L & =^..^= =^..^=

From: funkshn@gmail.com on behalf of [Mark Hunter](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP Scoping Comments
Date: Wednesday, July 06, 2016 12:46:15 PM

It's my understanding that the proposed management plan would exclude all visitors except hunters from the SJWA from October through February.

That wildlife area is primarily for preservation of wildlife, particularly rare and threatened species of plants and animals. Does your management plan establish that preservation as the highest priority? Does it honor the purposes of the Western Riverside County Multiple Species Management Plan?

Secondarily, the wildlife area provides several kinds of recreation. Why does your management plan eliminate all but one of those kinds of recreation for five months of the year? Have the birders ever lobbied you to forbid hunting? I didn't think so. Why, then, are you forbidding birding? That's an important use of the area, with very low impacts, and it provides value to science through the reports that birders provide.

Your CEQA declaration of "no impact" from the proposed plan will fall apart under even mild scrutiny. Please revise your plan to align with the primary and secondary purposes of the SJWA. As my dad used to say when my brothers and I were misbehaving after bedtime.... don't make me come in there.

Mark Hunter
2056 Rancho Canada Pl
La Canada, CA 91011

From: [Ron Cyger](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: Comment on draft EIR
Date: Wednesday, July 06, 2016 8:25:46 AM

Dear CDFW,

I have a few comments on the San Joaquin Wildlife Area Draft EIR.

(1) Hunt is always a significant impact. This area is used for other activities besides hunting, especially in winter. Having the area closed to Birding during winter would be a significant impact.

A proposal would be to have the wildlife area open three days a week, including one weekend day, to non-hunting.

(2) The SJWA is a core reserve for the Western Riverside County Multiple Species Management Plan (MSHCP) and is home to over 60 of the 146 species protected from extinction by the MSHCP. The plan must ensure, which it does not now, that the SJWA is a MSHCP reserve first and a hunting and birdwatching, mountain biking, horse back riding area second. The plants and animals who occur on the wildlife area are the first priority, otherwise the area is just another urban park.

(3) The plan must ensure that the SJWA continues to be able to purchase, at an affordable price and at appropriate times for plants and wildlife, recycled water from Eastern Municipal Water District. The wildlife area could not exist as a core MSHCP reserve and as a premier hunting area in southern California without reclaimed water. The current contract's 4,500 acre feet per year must be guaranteed for decades into the future in order to fulfill all the expansions of wildlife habitat mentioned in the Management Plan and to fulfill its MSHCP obligations.

Thank you for allowing me to comment.

Ron Cyger
Monrovia CA

From: [John Green](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP Scoping Comments
Date: Thursday, July 07, 2016 9:33:58 PM

Hello,

As a wildlife biologist, and a user of the wildlife area, I would like to make some comments on the proposed plan. First, hunters helped create the wildlife area, and hunting has a place there, but any consideration of closing the area to non-hunters for weeks or months at a time must be removed from the plan. Hunters are a tiny minority of California's population, and the wildlife area is for everyone. The needs of the flora and fauna, especially the special-status species must also be put first when considering setting aside lands strictly for hunting purposes as well. As you know, the wildlife area is a core reserve for the Western Riverside County Multiple Species Management Plan and it must put the needs of the plan and its species first. All other uses should be secondary. On that note, WATER is another key to the wildlife area's success, and ironclad access rights to water, recycled or otherwise, must be written into the Wildlife Area's plan, acted on, and acquired. Water that historically flowed into the wildlife area has been diverted, and its continued restoration is crucial.

Thanks,

John Green
3120 Mount Vernon Ave.
Riverside, CA 92507
bewickwren@earthlink.net

July 7, 2016

Via: SanJacintoWLM@wildlife.ca.gov

California Department of Fish and Wildlife
Attention: Eddy Konno, Senior Environmental Scientist
78078 Country Club Drive, Suite 109
Bermuda Dunes, CA 92203

Dear California Department of Fish and Wildlife:

Re: SJWA LMP NOP Scoping Comments

Geology and Soils: Please include the Morton-Miller, USGS Open File Report 1271, 2006 in your Geology and Soils analysis. In particular include the PDF file which shows the historic levels of Mystic Lake and a projection of where the lake level (closed depression) is predicted to be in 2023.

Morton, D.M., and Miller, F. K., 2006, Geologic map of the San Bernardino and Santa Ana 30' x 60' quadrangles, California; USGS Open File Report 1271, 2006,
<http://pubs.usgs.gov/of/2006/1217/>

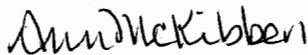
http://pubs.usgs.gov/of/2006/1217/of2006-1217_map/of2006-1217_fig5.pdf Figure 5 (of2006-1217_fig5.pdf; 1.6 MB) shows the historic lake levels of Mystic Lake and a projection of where the lake level (closed depression) is predicted to be in 2023

The NOP needs to include a discussion of the San Jacinto Wildlife Area (SJWA) as a reserve in the Riverside County Multi-Species Habitat Conservation Plan (MSHCP) Reserve System; please include a discussion of how the SJWA is being managed to protect rare and endangered plants and animals; please include a discussion of how Riverside County's MSHCP money is being used in managing the SJWA.

What policies have been developed to protect rare and endangered plants and animals and how are projects reviewed to ensure current and future projects within the SJWA follow the MSHCP agreements?

Thank you for considering my comments.

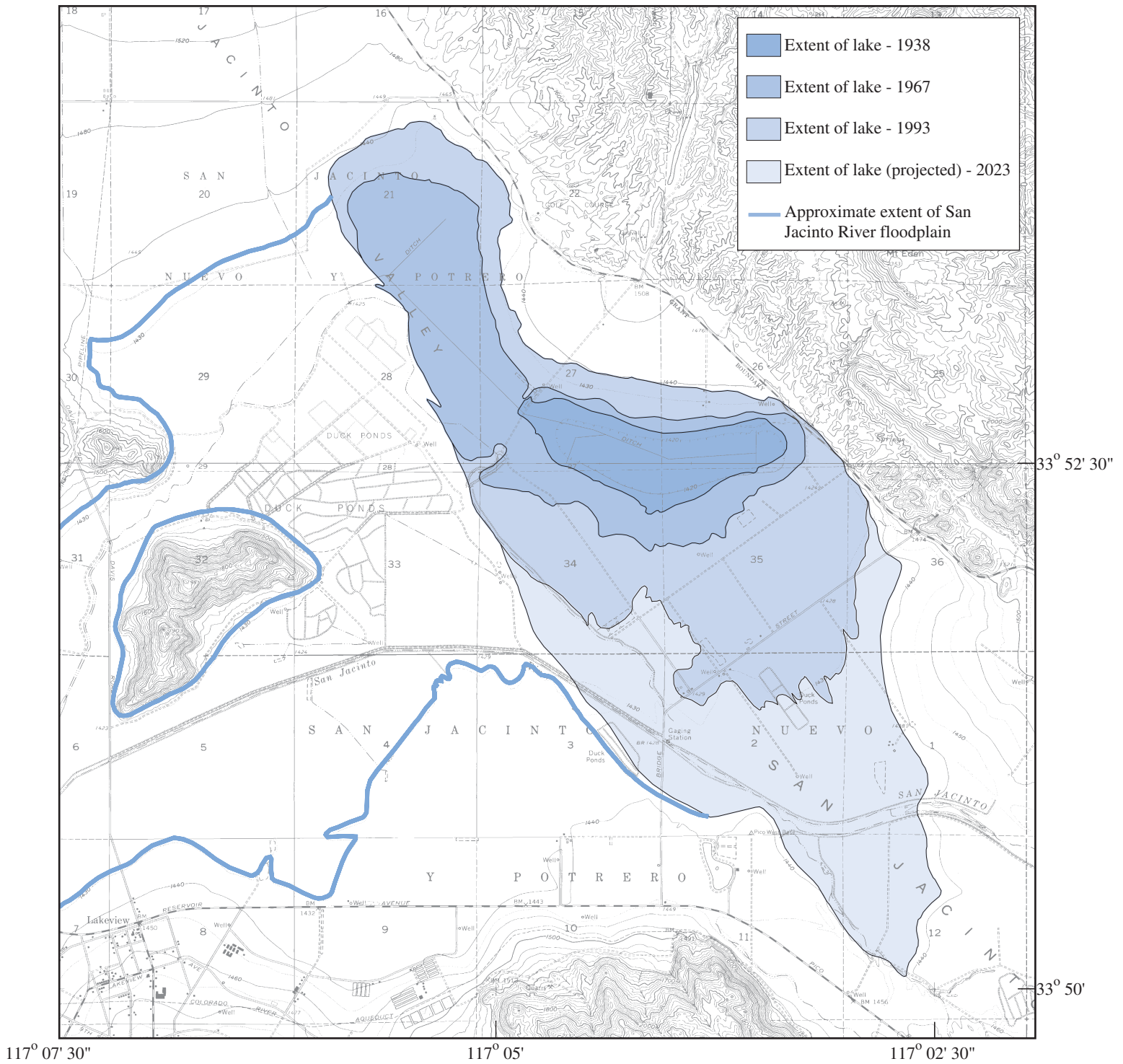
Sincerely,



Ann McKibben
23296 Sonnet Drive
Moreno Valley CA 92557
atmckibben@roadrunner.com

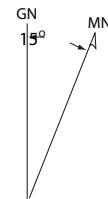
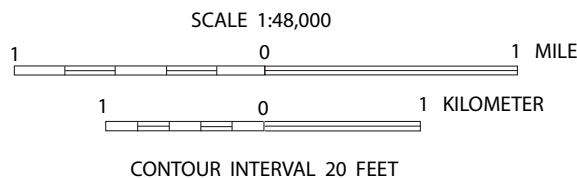
Attached: http://pubs.usgs.gov/of/2006/1217/of2006-1217_map/of2006-1217_fig5.pdf Figure 5 PDF of Historic Lake Levels of Mystic Lake

Figure 5



Base from U.S. Geological Survey
7.5' Lakeview and El Casco quadrangles
UTM projection, Zone 11

Historic Lake Levels of Mystic Lake, Riverside County, California



From: [Julie Szabo](#)
To: [Wildlife San Jacinto Wildlife Land Management Plan](#)
Subject: SJWA LMP NOP Scoping Comments
Date: Thursday, July 07, 2016 7:19:20 AM

July 7, 2016

California Department of Fish and Wildlife

Attn: Eddy Konno, Senior Environmental Scientist

RE: Management Plan for the San Jacinto Wildlife Area

I am writing this due to my concerns about some aspects of the proposed management plan for the San Jacinto Wildlife Area (SJWA). I have read the entire plan. I am an avid birdwatcher, and have seen 198 species of birds, plus animals, snakes and native plants at SJWA.

It is my understanding that Eastern Municipal Water District (EMWD) has committed to provide continuing water to SJWA. On-going and into the future, affordable water must be budgeted in the appropriate amounts to sustain the plants, birds and wildlife at SJWA. (I do bird surveys for the nearby Lake Elsinore Levee and back basin area. During the last two years, I have seen the first-hand the effects when the ponds and riparian areas are allowed to go dry. The effect is that many species are no longer present, and the ones that remain are unable to find appropriate breeding habitat.)

SJWA is a core reserve for the Western Riverside County Multiple Species Management Plan. The proposed plan must ensure to maintain the entire area for the animals, birds, plants and reptiles first. Any additional use of the area (bird watching, hunting, etc.) is a second consideration. Of the 198 bird species I have observed at SJWA, many of them depend on the area to just exist and breed. Many others need the area as a vital stopover during migration.

Hunting should not be expanded from the Wednesday and Saturday schedule. I have gone to the wildlife area one day after hunting has occurred, and found birds and animals nervous, and plants trampled. Too much hunting also scares the birds away, and you can see evidence of this by visiting Lake Perris on or just after a hunting day, where the east end of the lake is packed with birds.

Your consideration of my concerns is appreciated.

Julie Szabo

PO BOX 1057

Wildomar, CA 92595

jsszabo1@gmail.com

Patrick J. Temple
5645 Via Callisto
Riverside, CA 92506



6 July 2016

Eddy Konno, Senior Environmental Scientist
CA Department of Fish and Wildlife
78078 Country Club Drive, Suite 109
Bermuda Dunes, CA 92203

Re: SJWA LMP NOP Scoping Comments

Dear Sir:

The proposal to expand hunting at the San Jacinto Wildlife Area, including the outrageous plan to close the area during hunting season to everyone except hunters, is totally unacceptable. This area is extraordinarily important for wintering birds of prey, rare birds, and other wildlife. It is extremely important that the public be allowed to visit SJWA at all times of the year to document the status and distribution of raptor and duck populations and to record observations of rare and endangered species. A prime example of this important work is the well-documented discovery of Gyrfalcon (*Falco rusticolus*) at SJWA a few winters ago.

SJWA is an extraordinarily valuable resource for everyone, casual hiker, equestrian, avid birder, rare plant enthusiast, photographer, and all segments of the public, including hunters. But to restrict the area ONLY to hunters for part of the year is an idea that must be rejected. SJWA is for everyone, not just the few.

Sincerely,

A handwritten signature in cursive script that reads 'Patrick Temple'.

Patrick Temple

APPENDIX 5.1-A
CalEEMod and Road Construction
Model Output Files

SJWA LMP - Construction - Water Storage Reservoir and Levee - Riverside-South Coast County, Annual

**SJWA LMP - Construction - Water Storage Reservoir and Levee
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	275.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Development of a reservoir and a 16,000-foot-long, 12-foot-high levee with a 5:1 slope on a 275-acre site.

Construction Phase - Construction estimated to begin Jan 2018.

Off-road Equipment - Updated construction equipment base on information from client.

Off-road Equipment -

Off-road Equipment - Updated construction equipment base on information from client.

Trips and VMT - Updated worker and vendor trips per client.

On-road Fugitive Dust - Assumed 80% paved roads.

Construction Off-road Equipment Mitigation - Comply with AQMD Rule 403. Soil moisture content of 12%. Vehicle speed of 15 mph. Water exposed area 3 times per day.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	465.00	42.00
tblLandUse	LotAcreage	0.00	275.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	13.00	50.00
tblTripsAndVMT	WorkerTripNumber	13.00	50.00

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	tons/yr										MT/yr					
2018	0.0915	0.9671	0.5142	1.1100e-003	7.6218	0.0462	7.6680	0.8206	0.0425	0.8631	0.0000	101.6573	101.6573	0.0243	0.0000	102.2640
Maximum	0.0915	0.9671	0.5142	1.1100e-003	7.6218	0.0462	7.6680	0.8206	0.0425	0.8631	0.0000	101.6573	101.6573	0.0243	0.0000	102.2640

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0915	0.9671	0.5142	1.1100e-003	2.4912	0.0462	2.5374	0.2728	0.0425	0.3153	0.0000	101.6572	101.6572	0.0243	0.0000	102.2639
Maximum	0.0915	0.9671	0.5142	1.1100e-003	2.4912	0.0462	2.5374	0.2728	0.0425	0.3153	0.0000	101.6572	101.6572	0.0243	0.0000	102.2639

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2018	2/27/2018	5	42	Reservoir and Levee
2	Trenching	Trenching	2/28/2018	3/30/2018	5	23	Pipeline Work

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 21

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Graders	1	8.00	187	0.41
Trenching	Rubber Tired Dozers	1	8.00	247	0.40
Trenching	Tractors/Loaders/Backhoes	3	8.00	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
Grading	5	50.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	50.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1376	0.0000	0.1376	0.0707	0.0000	0.0707	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0522	0.5791	0.2793	5.1000e-004		0.0294	0.0294		0.0271	0.0271	0.0000	47.0259	47.0259	0.0146	0.0000	47.3919
Total	0.0522	0.5791	0.2793	5.1000e-004	0.1376	0.0294	0.1670	0.0707	0.0271	0.0978	0.0000	47.0259	47.0259	0.0146	0.0000	47.3919

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2600e-003	0.0415	8.4700e-003	9.0000e-005	0.6319	3.4000e-004	0.6322	0.0634	3.3000e-004	0.0637	0.0000	8.3752	8.3752	7.4000e-004	0.0000	8.3936
Worker	5.7000e-003	4.3100e-003	0.0445	1.1000e-004	4.2041	7.0000e-005	4.2042	0.4211	7.0000e-005	0.4212	0.0000	10.2851	10.2851	3.1000e-004	0.0000	10.2928
Total	6.9600e-003	0.0458	0.0529	2.0000e-004	4.8360	4.1000e-004	4.8364	0.4846	4.0000e-004	0.4849	0.0000	18.6603	18.6603	1.0500e-003	0.0000	18.6864

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0537	0.0000	0.0537	0.0276	0.0000	0.0276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0522	0.5791	0.2793	5.1000e-004		0.0294	0.0294		0.0271	0.0271	0.0000	47.0258	47.0258	0.0146	0.0000	47.3918
Total	0.0522	0.5791	0.2793	5.1000e-004	0.0537	0.0294	0.0831	0.0276	0.0271	0.0547	0.0000	47.0258	47.0258	0.0146	0.0000	47.3918

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2600e-003	0.0415	8.4700e-003	9.0000e-005	0.2060	3.4000e-004	0.2064	0.0208	3.3000e-004	0.0212	0.0000	8.3752	8.3752	7.4000e-004	0.0000	8.3936
Worker	5.7000e-003	4.3100e-003	0.0445	1.1000e-004	1.3690	7.0000e-005	1.3691	0.1376	7.0000e-005	0.1377	0.0000	10.2851	10.2851	3.1000e-004	0.0000	10.2928
Total	6.9600e-003	0.0458	0.0529	2.0000e-004	1.5750	4.1000e-004	1.5755	0.1585	4.0000e-004	0.1589	0.0000	18.6603	18.6603	1.0500e-003	0.0000	18.6864

3.3 Trenching - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0286	0.3171	0.1530	2.8000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	25.7523	25.7523	8.0200e-003	0.0000	25.9527
Total	0.0286	0.3171	0.1530	2.8000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	25.7523	25.7523	8.0200e-003	0.0000	25.9527

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9000e-004	0.0227	4.6400e-003	5.0000e-005	0.3460	1.9000e-004	0.3462	0.0347	1.8000e-004	0.0349	0.0000	4.5864	4.5864	4.0000e-004	0.0000	4.5965
Worker	3.1200e-003	2.3600e-003	0.0244	6.0000e-005	2.3023	4.0000e-005	2.3023	0.2306	4.0000e-005	0.2307	0.0000	5.6323	5.6323	1.7000e-004	0.0000	5.6365
Total	3.8100e-003	0.0251	0.0290	1.1000e-004	2.6483	2.3000e-004	2.6485	0.2653	2.2000e-004	0.2656	0.0000	10.2188	10.2188	5.7000e-004	0.0000	10.2330

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0286	0.3171	0.1530	2.8000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	25.7522	25.7522	8.0200e-003	0.0000	25.9527
Total	0.0286	0.3171	0.1530	2.8000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	25.7522	25.7522	8.0200e-003	0.0000	25.9527

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9000e-004	0.0227	4.6400e-003	5.0000e-005	0.1128	1.9000e-004	0.1130	0.0114	1.8000e-004	0.0116	0.0000	4.5864	4.5864	4.0000e-004	0.0000	4.5965
Worker	3.1200e-003	2.3600e-003	0.0244	6.0000e-005	0.7497	4.0000e-005	0.7497	0.0754	4.0000e-005	0.0754	0.0000	5.6323	5.6323	1.7000e-004	0.0000	5.6365
Total	3.8100e-003	0.0251	0.0290	1.1000e-004	0.8625	2.3000e-004	0.8628	0.0868	2.2000e-004	0.0870	0.0000	10.2188	10.2188	5.7000e-004	0.0000	10.2330

SJWA LMP - Construction - Water Storage Reservoir and Levee - Riverside-South Coast County, Summer

**SJWA LMP - Construction - Water Storage Reservoir and Levee
Riverside-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	275.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Development of a reservoir and a 16,000-foot-long, 12-foot-high levee with a 5:1 slope on a 275-acre site.

Construction Phase - Construction estimated to begin Jan 2018.

Off-road Equipment - Updated construction equipment base on information from client.

Off-road Equipment - Updated construction equipment base on information from client.

Trips and VMT - Updated worker and vendor trips per client.

On-road Fugitive Dust - Assumed 80% paved roads.

Construction Off-road Equipment Mitigation - Comply with AQMD Rule 403. Soil moisture content of 12%. Vehicle speed of 15 mph. Water exposed area 3 times per day.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	465.00	42.00
tblLandUse	LotAcreage	0.00	275.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	13.00	50.00
tblTripsAndVMT	WorkerTripNumber	13.00	50.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2018	2/27/2018	5	42	Reservoir and Levee
2	Trenching	Trenching	2/28/2018	3/30/2018	5	23	Pipeline Work

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 21

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Graders	1	8.00	187	0.41
Trenching	Rubber Tired Dozers	1	8.00	247	0.40
Trenching	Tractors/Loaders/Backhoes	3	8.00	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
Grading	5	50.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	50.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4841	27.5766	13.3013	0.0245		1.4012	1.4012		1.2891	1.2891		2,468.4365	2,468.4365	0.7685		2,487.6480
Total	2.4841	27.5766	13.3013	0.0245	6.5523	1.4012	7.9535	3.3675	1.2891	4.6566		2,468.4365	2,468.4365	0.7685		2,487.6480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0590	1.9440	0.3761	4.2400e-003	32.5825	0.0163	32.5988	3.2685	0.0156	3.2841		446.6107	446.6107	0.0369		447.5328
Worker	0.3010	0.1914	2.4729	5.9000e-003	216.7984	3.4900e-003	216.8019	21.7120	3.2200e-003	21.7153		586.6357	586.6357	0.0179		587.0822
Total	0.3600	2.1354	2.8490	0.0101	249.3810	0.0198	249.4008	24.9805	0.0188	24.9993		1,033.2464	1,033.2464	0.0548		1,034.6150

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	2.4841	27.5766	13.3013	0.0245		1.4012	1.4012		1.2891	1.2891	0.0000	2,468.4365	2,468.4365	0.7685		2,487.6480
Total	2.4841	27.5766	13.3013	0.0245	2.5554	1.4012	3.9566	1.3133	1.2891	2.6024	0.0000	2,468.4365	2,468.4365	0.7685		2,487.6480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0590	1.9440	0.3761	4.2400e-003	10.6195	0.0163	10.6358	1.0722	0.0156	1.0878		446.6107	446.6107	0.0369		447.5328
Worker	0.3010	0.1914	2.4729	5.9000e-003	70.5773	3.4900e-003	70.5808	7.0899	3.2200e-003	7.0931		586.6357	586.6357	0.0179		587.0822
Total	0.3600	2.1354	2.8490	0.0101	81.1968	0.0198	81.2166	8.1621	0.0188	8.1809		1,033.2464	1,033.2464	0.0548		1,034.6150

3.3 Trenching - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4841	27.5766	13.3013	0.0245		1.4012	1.4012		1.2891	1.2891		2,468.4365	2,468.4365	0.7685		2,487.6480
Total	2.4841	27.5766	13.3013	0.0245		1.4012	1.4012		1.2891	1.2891		2,468.4365	2,468.4365	0.7685		2,487.6480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0590	1.9440	0.3761	4.2400e-003	32.5825	0.0163	32.5988	3.2685	0.0156	3.2841		446.6107	446.6107	0.0369		447.5328
Worker	0.3010	0.1914	2.4729	5.9000e-003	216.7984	3.4900e-003	216.8019	21.7120	3.2200e-003	21.7153		586.6357	586.6357	0.0179		587.0822
Total	0.3600	2.1354	2.8490	0.0101	249.3810	0.0198	249.4008	24.9805	0.0188	24.9993		1,033.2464	1,033.2464	0.0548		1,034.6150

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4841	27.5766	13.3013	0.0245		1.4012	1.4012		1.2891	1.2891	0.0000	2,468.4365	2,468.4365	0.7685		2,487.6480
Total	2.4841	27.5766	13.3013	0.0245		1.4012	1.4012		1.2891	1.2891	0.0000	2,468.4365	2,468.4365	0.7685		2,487.6480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0590	1.9440	0.3761	4.2400e-003	10.6195	0.0163	10.6358	1.0722	0.0156	1.0878		446.6107	446.6107	0.0369		447.5328
Worker	0.3010	0.1914	2.4729	5.9000e-003	70.5773	3.4900e-003	70.5808	7.0899	3.2200e-003	7.0931		586.6357	586.6357	0.0179		587.0822
Total	0.3600	2.1354	2.8490	0.0101	81.1968	0.0198	81.2166	8.1621	0.0188	8.1809		1,033.2464	1,033.2464	0.0548		1,034.6150

SJWA LMP - Construction - Water Storage Reservoir and Levee - Riverside-South Coast County, Winter

SJWA LMP - Construction - Water Storage Reservoir and Levee
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	275.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Development of a reservoir and a 16,000-foot-long, 12-foot-high levee with a 5:1 slope on a 275-acre site.

Construction Phase - Construction estimated to begin Jan 2018.

Off-road Equipment - Updated construction equipment base on information from client.

Off-road Equipment - Updated construction equipment base on information from client.

Trips and VMT - Updated worker and vendor trips per client.

On-road Fugitive Dust - Assumed 80% paved roads.

Construction Off-road Equipment Mitigation - Comply with AQMD Rule 403. Soil moisture content of 12%. Vehicle speed of 15 mph. Water exposed area 3 times per day.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	465.00	42.00
tblLandUse	LotAcreage	0.00	275.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	13.00	50.00
tblTripsAndVMT	WorkerTripNumber	13.00	50.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2018	2/27/2018	5	42	Reservoir and Levee
2	Trenching	Trenching	2/28/2018	3/30/2018	5	23	Pipeline Work

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 21

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Graders	1	8.00	187	0.41
Trenching	Rubber Tired Dozers	1	8.00	247	0.40
Trenching	Tractors/Loaders/Backhoes	3	8.00	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
Grading	5	50.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	50.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4841	27.5766	13.3013	0.0245		1.4012	1.4012		1.2891	1.2891		2,468.4365	2,468.4365	0.7685		2,487.6480
Total	2.4841	27.5766	13.3013	0.0245	6.5523	1.4012	7.9535	3.3675	1.2891	4.6566		2,468.4365	2,468.4365	0.7685		2,487.6480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0618	1.9424	0.4338	4.0800e-003	32.5825	0.0165	32.5990	3.2685	0.0158	3.2843		429.9747	429.9747	0.0409		430.9973
Worker	0.2937	0.1984	2.0100	5.2900e-003	216.7984	3.4900e-003	216.8019	21.7120	3.2200e-003	21.7153		526.3591	526.3591	0.0156		526.7484
Total	0.3555	2.1408	2.4438	9.3700e-003	249.3810	0.0200	249.4010	24.9805	0.0190	24.9995		956.3338	956.3338	0.0565		957.7457

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	2.4841	27.5766	13.3013	0.0245		1.4012	1.4012		1.2891	1.2891	0.0000	2,468.4365	2,468.4365	0.7685		2,487.6480
Total	2.4841	27.5766	13.3013	0.0245	2.5554	1.4012	3.9566	1.3133	1.2891	2.6024	0.0000	2,468.4365	2,468.4365	0.7685		2,487.6480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0618	1.9424	0.4338	4.0800e-003	10.6195	0.0165	10.6360	1.0722	0.0158	1.0880		429.9747	429.9747	0.0409		430.9973
Worker	0.2937	0.1984	2.0100	5.2900e-003	70.5773	3.4900e-003	70.5808	7.0899	3.2200e-003	7.0931		526.3591	526.3591	0.0156		526.7484
Total	0.3555	2.1408	2.4438	9.3700e-003	81.1968	0.0200	81.2168	8.1621	0.0190	8.1811		956.3338	956.3338	0.0565		957.7457

3.3 Trenching - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4841	27.5766	13.3013	0.0245		1.4012	1.4012		1.2891	1.2891		2,468.4365	2,468.4365	0.7685		2,487.6480
Total	2.4841	27.5766	13.3013	0.0245		1.4012	1.4012		1.2891	1.2891		2,468.4365	2,468.4365	0.7685		2,487.6480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0618	1.9424	0.4338	4.0800e-003	32.5825	0.0165	32.5990	3.2685	0.0158	3.2843		429.9747	429.9747	0.0409		430.9973
Worker	0.2937	0.1984	2.0100	5.2900e-003	216.7984	3.4900e-003	216.8019	21.7120	3.2200e-003	21.7153		526.3591	526.3591	0.0156		526.7484
Total	0.3555	2.1408	2.4438	9.3700e-003	249.3810	0.0200	249.4010	24.9805	0.0190	24.9995		956.3338	956.3338	0.0565		957.7457

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4841	27.5766	13.3013	0.0245		1.4012	1.4012		1.2891	1.2891	0.0000	2,468.4365	2,468.4365	0.7685		2,487.6480
Total	2.4841	27.5766	13.3013	0.0245		1.4012	1.4012		1.2891	1.2891	0.0000	2,468.4365	2,468.4365	0.7685		2,487.6480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0618	1.9424	0.4338	4.0800e-003	10.6195	0.0165	10.6360	1.0722	0.0158	1.0880		429.9747	429.9747	0.0409		430.9973
Worker	0.2937	0.1984	2.0100	5.2900e-003	70.5773	3.4900e-003	70.5808	7.0899	3.2200e-003	7.0931		526.3591	526.3591	0.0156		526.7484
Total	0.3555	2.1408	2.4438	9.3700e-003	81.1968	0.0200	81.2168	8.1621	0.0190	8.1811		956.3338	956.3338	0.0565		957.7457

SJWA LMP - Construction at Pontrero Unit (P5 & P6) - Riverside-South Coast County, Annual

**SJWA LMP - Construction at Pontrero Unit (P5 & P6)
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.02	800.00	0
User Defined Industrial	1.00	User Defined Unit	0.03	1,300.00	0
Mobile Home Park	3.00	Dwelling Unit	0.38	4,320.00	9

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Development of a water system, two 1,440 square foot residences, a 1,440 square foot office, a workshop, and warehouse at subunit P5.

Construction Phase - Construction would take approx 3 months and would include rough grading, building construction, and power system installation.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker and vendor trips.

On-road Fugitive Dust - Assumed 80% paved roads.

Construction Off-road Equipment Mitigation - Comply with AQMD Rule 403. Soil moisture content of 12%. Maintain vehicle speed of 15 mph. Water exposed area 3 times per day.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	100.00	52.00
tblConstructionPhase	NumDays	100.00	10.00
tblLandUse	BuildingSpaceSquareFeet	0.00	800.00
tblLandUse	BuildingSpaceSquareFeet	0.00	1,300.00
tblLandUse	BuildingSpaceSquareFeet	3,600.00	4,320.00
tblLandUse	LandUseSquareFeet	0.00	800.00
tblLandUse	LandUseSquareFeet	0.00	1,300.00
tblLandUse	LandUseSquareFeet	3,600.00	4,320.00
tblLandUse	LotAcreage	0.00	0.02
tblLandUse	LotAcreage	0.00	0.03
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Rough Grading
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00

tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	ConstructionPhaseStartDate	1/1/2018 6:25:57 AM	1/1/2018 12:00:00 AM
tblProjectCharacteristics	OperationalYear	2018	2019
tblTripsAndVMT	VendorTripNumber	1.00	2.00
tblTripsAndVMT	VendorTripNumber	1.00	2.00
tblTripsAndVMT	WorkerTripNumber	10.00	24.00
tblTripsAndVMT	WorkerTripNumber	3.00	24.00
tblTripsAndVMT	WorkerTripNumber	3.00	24.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Rough Grading	Grading	1/1/2018	1/2/2018	5	2	
2	Building Construction 1	Building Construction	1/3/2018	3/15/2018	5	52	Infrastructure Improvements and Building Construction
3	Building Construction 2	Building Construction	3/16/2018	3/29/2018	5	10	Power System Installation

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Rough Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction 1	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction 2	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grading	Graders	1	8.00	187	0.41

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Rough Grading	4	24.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 1	4	24.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 2	4	24.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Rough Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2800e-003	0.0000	1.2800e-003	4.7000e-004	0.0000	4.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9000e-004	9.7600e-003	4.2500e-003	1.0000e-005		4.2000e-004	4.2000e-004		3.8000e-004	3.8000e-004	0.0000	0.8915	0.8915	2.8000e-004	0.0000	0.8984
Total	7.9000e-004	9.7600e-003	4.2500e-003	1.0000e-005	1.2800e-003	4.2000e-004	1.7000e-003	4.7000e-004	3.8000e-004	8.5000e-004	0.0000	0.8915	0.8915	2.8000e-004	0.0000	0.8984

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.0000e-004	1.0200e-003	0.0000	0.0961	0.0000	0.0961	9.6300e-003	0.0000	9.6300e-003	0.0000	0.2351	0.2351	1.0000e-005	0.0000	0.2353
Total	1.3000e-004	1.0000e-004	1.0200e-003	0.0000	0.0961	0.0000	0.0961	9.6300e-003	0.0000	9.6300e-003	0.0000	0.2351	0.2351	1.0000e-005	0.0000	0.2353

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.0000e-004	0.0000	5.0000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9000e-004	9.7600e-003	4.2500e-003	1.0000e-005		4.2000e-004	4.2000e-004		3.8000e-004	3.8000e-004	0.0000	0.8915	0.8915	2.8000e-004	0.0000	0.8984
Total	7.9000e-004	9.7600e-003	4.2500e-003	1.0000e-005	5.0000e-004	4.2000e-004	9.2000e-004	1.8000e-004	3.8000e-004	5.6000e-004	0.0000	0.8915	0.8915	2.8000e-004	0.0000	0.8984

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.0000e-004	1.0200e-003	0.0000	0.0313	0.0000	0.0313	3.1500e-003	0.0000	3.1500e-003	0.0000	0.2351	0.2351	1.0000e-005	0.0000	0.2353
Total	1.3000e-004	1.0000e-004	1.0200e-003	0.0000	0.0313	0.0000	0.0313	3.1500e-003	0.0000	3.1500e-003	0.0000	0.2351	0.2351	1.0000e-005	0.0000	0.2353

3.3 Building Construction 1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9200e-003	0.0684	0.0608	8.0000e-005		4.8400e-003	4.8400e-003		4.4600e-003	4.4600e-003	0.0000	7.3774	7.3774	2.3000e-003	0.0000	7.4348
Total	6.9200e-003	0.0684	0.0608	8.0000e-005		4.8400e-003	4.8400e-003		4.4600e-003	4.4600e-003	0.0000	7.3774	7.3774	2.3000e-003	0.0000	7.4348

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-004	6.4100e-003	1.3100e-003	1.0000e-005	0.0978	5.0000e-005	0.0978	9.8100e-003	5.0000e-005	9.8600e-003	0.0000	1.2962	1.2962	1.1000e-004	0.0000	1.2990
Worker	3.3900e-003	2.5600e-003	0.0264	7.0000e-005	2.4984	4.0000e-005	2.4985	0.2503	4.0000e-005	0.2503	0.0000	6.1123	6.1123	1.8000e-004	0.0000	6.1169
Total	3.5800e-003	8.9700e-003	0.0277	8.0000e-005	2.5962	9.0000e-005	2.5963	0.2601	9.0000e-005	0.2602	0.0000	7.4085	7.4085	2.9000e-004	0.0000	7.4159

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9200e-003	0.0684	0.0608	8.0000e-005		4.8400e-003	4.8400e-003		4.4600e-003	4.4600e-003	0.0000	7.3774	7.3774	2.3000e-003	0.0000	7.4348
Total	6.9200e-003	0.0684	0.0608	8.0000e-005		4.8400e-003	4.8400e-003		4.4600e-003	4.4600e-003	0.0000	7.3774	7.3774	2.3000e-003	0.0000	7.4348

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-004	6.4100e-003	1.3100e-003	1.0000e-005	0.0319	5.0000e-005	0.0319	3.2200e-003	5.0000e-005	3.2700e-003	0.0000	1.2962	1.2962	1.1000e-004	0.0000	1.2990
Worker	3.3900e-003	2.5600e-003	0.0264	7.0000e-005	0.8136	4.0000e-005	0.8136	0.0818	4.0000e-005	0.0818	0.0000	6.1123	6.1123	1.8000e-004	0.0000	6.1169
Total	3.5800e-003	8.9700e-003	0.0277	8.0000e-005	0.8455	9.0000e-005	0.8456	0.0850	9.0000e-005	0.0851	0.0000	7.4085	7.4085	2.9000e-004	0.0000	7.4159

3.4 Building Construction 2 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3300e-003	0.0132	0.0117	2.0000e-005		9.3000e-004	9.3000e-004		8.6000e-004	8.6000e-004	0.0000	1.4187	1.4187	4.4000e-004	0.0000	1.4298
Total	1.3300e-003	0.0132	0.0117	2.0000e-005		9.3000e-004	9.3000e-004		8.6000e-004	8.6000e-004	0.0000	1.4187	1.4187	4.4000e-004	0.0000	1.4298

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.2300e-003	2.5000e-004	0.0000	0.0188	1.0000e-005	0.0188	1.8900e-003	1.0000e-005	1.9000e-003	0.0000	0.2493	0.2493	2.0000e-005	0.0000	0.2498
Worker	6.5000e-004	4.9000e-004	5.0800e-003	1.0000e-005	0.4805	1.0000e-005	0.4805	0.0481	1.0000e-005	0.0481	0.0000	1.1754	1.1754	4.0000e-005	0.0000	1.1763
Total	6.9000e-004	1.7200e-003	5.3300e-003	1.0000e-005	0.4993	2.0000e-005	0.4993	0.0500	2.0000e-005	0.0500	0.0000	1.4247	1.4247	6.0000e-005	0.0000	1.4261

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3300e-003	0.0132	0.0117	2.0000e-005		9.3000e-004	9.3000e-004		8.6000e-004	8.6000e-004	0.0000	1.4187	1.4187	4.4000e-004	0.0000	1.4298
Total	1.3300e-003	0.0132	0.0117	2.0000e-005		9.3000e-004	9.3000e-004		8.6000e-004	8.6000e-004	0.0000	1.4187	1.4187	4.4000e-004	0.0000	1.4298

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.2300e-003	2.5000e-004	0.0000	6.1300e-003	1.0000e-005	6.1400e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	0.2493	0.2493	2.0000e-005	0.0000	0.2498
Worker	6.5000e-004	4.9000e-004	5.0800e-003	1.0000e-005	0.1565	1.0000e-005	0.1565	0.0157	1.0000e-005	0.0157	0.0000	1.1754	1.1754	4.0000e-005	0.0000	1.1763
Total	6.9000e-004	1.7200e-003	5.3300e-003	1.0000e-005	0.1626	2.0000e-005	0.1626	0.0164	2.0000e-005	0.0164	0.0000	1.4247	1.4247	6.0000e-005	0.0000	1.4261

SJWA LMP - Construction at Pontrero Unit (P5 & P6) - Riverside-South Coast County, Summer

SJWA LMP - Construction at Pontrero Unit (P5 & P6)
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.02	800.00	0
User Defined Industrial	1.00	User Defined Unit	0.03	1,300.00	0
Mobile Home Park	3.00	Dwelling Unit	0.38	4,320.00	9

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Development of a water system, two 1,440 square foot residences, a 1,440 square foot office, a workshop, and warehouse at subunit P5.

Construction Phase - Construction would take approx 3 months and would include rough grading, building construction, and power system installation.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker and vendor trips.

On-road Fugitive Dust - Assumed 80% paved roads.

Construction Off-road Equipment Mitigation - Comply with AQMD Rule 403. Soil moisture content of 12%. Maintain vehicle speed of 15 mph. Water exposed area 3 times per day.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	100.00	52.00
tblConstructionPhase	NumDays	100.00	10.00
tblLandUse	BuildingSpaceSquareFeet	0.00	800.00
tblLandUse	BuildingSpaceSquareFeet	0.00	1,300.00
tblLandUse	BuildingSpaceSquareFeet	3,600.00	4,320.00
tblLandUse	LandUseSquareFeet	0.00	800.00
tblLandUse	LandUseSquareFeet	0.00	1,300.00
tblLandUse	LandUseSquareFeet	3,600.00	4,320.00
tblLandUse	LotAcreage	0.00	0.02
tblLandUse	LotAcreage	0.00	0.03
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Rough Grading
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00

tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	ConstructionPhaseStartDate	1/1/2018 6:25:57 AM	1/1/2018 12:00:00 AM
tblProjectCharacteristics	OperationalYear	2018	2019
tblTripsAndVMT	VendorTripNumber	1.00	2.00
tblTripsAndVMT	VendorTripNumber	1.00	2.00
tblTripsAndVMT	WorkerTripNumber	10.00	24.00
tblTripsAndVMT	WorkerTripNumber	3.00	24.00
tblTripsAndVMT	WorkerTripNumber	3.00	24.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Rough Grading	Grading	1/1/2018	1/2/2018	5	2	
2	Building Construction 1	Building Construction	1/3/2018	3/15/2018	5	52	Infrastructure Improvements and Building Construction
3	Building Construction 2	Building Construction	3/16/2018	3/29/2018	5	10	Power System Installation

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Rough Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction 1	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction 2	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grading	Graders	1	8.00	187	0.41

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Rough Grading	4	24.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 1	4	24.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 2	4	24.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Rough Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2830	0.0000	1.2830	0.4710	0.0000	0.4710			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846		982.7113	982.7113	0.3059		990.3596
Total	0.7858	9.7572	4.2514	9.7600e-003	1.2830	0.4180	1.7010	0.4710	0.3846	0.8556		982.7113	982.7113	0.3059		990.3596

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.1445	0.0919	1.1870	2.8300e-003	104.0633	1.6800e-003	104.0649	10.4218	1.5400e-003	10.4233		281.5851	281.5851	8.5700e-003		281.7995
Total	0.1445	0.0919	1.1870	2.8300e-003	104.0633	1.6800e-003	104.0649	10.4218	1.5400e-003	10.4233		281.5851	281.5851	8.5700e-003		281.7995

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5004	0.0000	0.5004	0.1837	0.0000	0.1837			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846	0.0000	982.7113	982.7113	0.3059		990.3596
Total	0.7858	9.7572	4.2514	9.7600e-003	0.5004	0.4180	0.9184	0.1837	0.3846	0.5683	0.0000	982.7113	982.7113	0.3059		990.3596

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.1445	0.0919	1.1870	2.8300e-003	33.8771	1.6800e-003	33.8788	3.4032	1.5400e-003	3.4047		281.5851	281.5851	8.5700e-003		281.7995
Total	0.1445	0.0919	1.1870	2.8300e-003	33.8771	1.6800e-003	33.8788	3.4032	1.5400e-003	3.4047		281.5851	281.5851	8.5700e-003		281.7995

3.3 Building Construction 1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.3700e-003	0.2430	0.0470	5.3000e-004	4.0728	2.0400e-003	4.0749	0.4086	1.9500e-003	0.4105		55.8263	55.8263	4.6100e-003		55.9416
Worker	0.1445	0.0919	1.1870	2.8300e-003	104.0633	1.6800e-003	104.0649	10.4218	1.5400e-003	10.4233		281.5851	281.5851	8.5700e-003		281.7995
Total	0.1519	0.3349	1.2340	3.3600e-003	108.1361	3.7200e-003	108.1398	10.8303	3.4900e-003	10.8338		337.4115	337.4115	0.0132		337.7411

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.3700e-003	0.2430	0.0470	5.3000e-004	1.3274	2.0400e-003	1.3295	0.1340	1.9500e-003	0.1360		55.8263	55.8263	4.6100e-003		55.9416
Worker	0.1445	0.0919	1.1870	2.8300e-003	33.8771	1.6800e-003	33.8788	3.4032	1.5400e-003	3.4047		281.5851	281.5851	8.5700e-003		281.7995
Total	0.1519	0.3349	1.2340	3.3600e-003	35.2045	3.7200e-003	35.2083	3.5372	3.4900e-003	3.5407		337.4115	337.4115	0.0132		337.7411

3.4 Building Construction 2 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.3700e-003	0.2430	0.0470	5.3000e-004	4.0728	2.0400e-003	4.0749	0.4086	1.9500e-003	0.4105		55.8263	55.8263	4.6100e-003		55.9416
Worker	0.1445	0.0919	1.1870	2.8300e-003	104.0633	1.6800e-003	104.0649	10.4218	1.5400e-003	10.4233		281.5851	281.5851	8.5700e-003		281.7995
Total	0.1519	0.3349	1.2340	3.3600e-003	108.1361	3.7200e-003	108.1398	10.8303	3.4900e-003	10.8338		337.4115	337.4115	0.0132		337.7411

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.3700e-003	0.2430	0.0470	5.3000e-004	1.3274	2.0400e-003	1.3295	0.1340	1.9500e-003	0.1360		55.8263	55.8263	4.6100e-003		55.9416
Worker	0.1445	0.0919	1.1870	2.8300e-003	33.8771	1.6800e-003	33.8788	3.4032	1.5400e-003	3.4047		281.5851	281.5851	8.5700e-003		281.7995
Total	0.1519	0.3349	1.2340	3.3600e-003	35.2045	3.7200e-003	35.2083	3.5372	3.4900e-003	3.5407		337.4115	337.4115	0.0132		337.7411

SJWA LMP - Construction at Pontrero Unit (P5 & P6) - Riverside-South Coast County, Winter

SJWA LMP - Construction at Pontrero Unit (P5 & P6)
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.02	800.00	0
User Defined Industrial	1.00	User Defined Unit	0.03	1,300.00	0
Mobile Home Park	3.00	Dwelling Unit	0.38	4,320.00	9

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Development of a water system, two 1,440 square foot residences, a 1,440 square foot office, a workshop, and warehouse at subunit P5.

Construction Phase - Construction would take approx 3 months and would include rough grading, building construction, and power system installation.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker and vendor trips.

On-road Fugitive Dust - Assumed 80% paved roads.

Construction Off-road Equipment Mitigation - Comply with AQMD Rule 403. Soil moisture content of 12%. Maintain vehicle speed of 15 mph. Water exposed area 3 times per day.

Off-road Equipment - Updated equipment based on information from client.

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Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	100.00	52.00
tblConstructionPhase	NumDays	100.00	10.00
tblLandUse	BuildingSpaceSquareFeet	0.00	800.00
tblLandUse	BuildingSpaceSquareFeet	0.00	1,300.00
tblLandUse	BuildingSpaceSquareFeet	3,600.00	4,320.00
tblLandUse	LandUseSquareFeet	0.00	800.00
tblLandUse	LandUseSquareFeet	0.00	1,300.00
tblLandUse	LandUseSquareFeet	3,600.00	4,320.00
tblLandUse	LotAcreage	0.00	0.02
tblLandUse	LotAcreage	0.00	0.03
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Rough Grading
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00

tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	ConstructionPhaseStartDate	1/1/2018 6:25:57 AM	1/1/2018 12:00:00 AM
tblProjectCharacteristics	OperationalYear	2018	2019
tblTripsAndVMT	VendorTripNumber	1.00	2.00
tblTripsAndVMT	VendorTripNumber	1.00	2.00
tblTripsAndVMT	WorkerTripNumber	10.00	24.00
tblTripsAndVMT	WorkerTripNumber	3.00	24.00
tblTripsAndVMT	WorkerTripNumber	3.00	24.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Rough Grading	Grading	1/1/2018	1/2/2018	5	2	
2	Building Construction 1	Building Construction	1/3/2018	3/15/2018	5	52	Infrastructure Improvements and Building Construction
3	Building Construction 2	Building Construction	3/16/2018	3/29/2018	5	10	Power System Installation

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Rough Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction 1	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction 2	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grading	Graders	1	8.00	187	0.41

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Rough Grading	4	24.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 1	4	24.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction 2	4	24.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Rough Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2830	0.0000	1.2830	0.4710	0.0000	0.4710			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846		982.7113	982.7113	0.3059		990.3596
Total	0.7858	9.7572	4.2514	9.7600e-003	1.2830	0.4180	1.7010	0.4710	0.3846	0.8556		982.7113	982.7113	0.3059		990.3596

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.1410	0.0952	0.9648	2.5400e-003	104.0633	1.6800e-003	104.0649	10.4218	1.5400e-003	10.4233		252.6524	252.6524	7.4700e-003		252.8392
Total	0.1410	0.0952	0.9648	2.5400e-003	104.0633	1.6800e-003	104.0649	10.4218	1.5400e-003	10.4233		252.6524	252.6524	7.4700e-003		252.8392

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5004	0.0000	0.5004	0.1837	0.0000	0.1837			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846	0.0000	982.7113	982.7113	0.3059		990.3596
Total	0.7858	9.7572	4.2514	9.7600e-003	0.5004	0.4180	0.9184	0.1837	0.3846	0.5683	0.0000	982.7113	982.7113	0.3059		990.3596

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.1410	0.0952	0.9648	2.5400e-003	33.8771	1.6800e-003	33.8788	3.4032	1.5400e-003	3.4047		252.6524	252.6524	7.4700e-003		252.8392
Total	0.1410	0.0952	0.9648	2.5400e-003	33.8771	1.6800e-003	33.8788	3.4032	1.5400e-003	3.4047		252.6524	252.6524	7.4700e-003		252.8392

3.3 Building Construction 1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.7200e-003	0.2428	0.0542	5.1000e-004	4.0728	2.0600e-003	4.0749	0.4086	1.9700e-003	0.4105		53.7468	53.7468	5.1100e-003		53.8747
Worker	0.1410	0.0952	0.9648	2.5400e-003	104.0633	1.6800e-003	104.0649	10.4218	1.5400e-003	10.4233		252.6524	252.6524	7.4700e-003		252.8392
Total	0.1487	0.3380	1.0190	3.0500e-003	108.1361	3.7400e-003	108.1398	10.8303	3.5100e-003	10.8339		306.3992	306.3992	0.0126		306.7139

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.7200e-003	0.2428	0.0542	5.1000e-004	1.3274	2.0600e-003	1.3295	0.1340	1.9700e-003	0.1360		53.7468	53.7468	5.1100e-003		53.8747
Worker	0.1410	0.0952	0.9648	2.5400e-003	33.8771	1.6800e-003	33.8788	3.4032	1.5400e-003	3.4047		252.6524	252.6524	7.4700e-003		252.8392
Total	0.1487	0.3380	1.0190	3.0500e-003	35.2045	3.7400e-003	35.2083	3.5372	3.5100e-003	3.5407		306.3992	306.3992	0.0126		306.7139

3.4 Building Construction 2 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.7200e-003	0.2428	0.0542	5.1000e-004	4.0728	2.0600e-003	4.0749	0.4086	1.9700e-003	0.4105		53.7468	53.7468	5.1100e-003		53.8747
Worker	0.1410	0.0952	0.9648	2.5400e-003	104.0633	1.6800e-003	104.0649	10.4218	1.5400e-003	10.4233		252.6524	252.6524	7.4700e-003		252.8392
Total	0.1487	0.3380	1.0190	3.0500e-003	108.1361	3.7400e-003	108.1398	10.8303	3.5100e-003	10.8339		306.3992	306.3992	0.0126		306.7139

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.7200e-003	0.2428	0.0542	5.1000e-004	1.3274	2.0600e-003	1.3295	0.1340	1.9700e-003	0.1360		53.7468	53.7468	5.1100e-003		53.8747
Worker	0.1410	0.0952	0.9648	2.5400e-003	33.8771	1.6800e-003	33.8788	3.4032	1.5400e-003	3.4047		252.6524	252.6524	7.4700e-003		252.8392
Total	0.1487	0.3380	1.0190	3.0500e-003	35.2045	3.7400e-003	35.2083	3.5372	3.5100e-003	3.5407		306.3992	306.3992	0.0126		306.7139

SJWA LMP - Construction at Davis Unit (D8) - Riverside-South Coast County, Annual

SJWA LMP - Construction at Davis Unit (D8)
Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Mobile Home Park	3.00	Dwelling Unit	0.38	3,900.00	9

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Development of 3 1,300 square foot manufactured homes and and three 1,200 square-foot shade structures.

Construction Phase - Demolition of exisitng manufactured homes would occur over 1 week, installation of new homes would occur over one month.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips, building construction vendor trips, total hauling trips during demolition, and haul trip length.

On-road Fugitive Dust - Assumed 80% paved roads.

Demolition - Demolition of two double-wide trailers totaling 2,500 square feet.

Grading - Updated distrurbed acreage.

Construction Off-road Equipment Mitigation - Comply with AQMD Rule 403. Soil moisture content of 12%. Maintain vehicle speed of 15 mph. Water exposed area 3 times per day.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	100.00	17.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	5.00
tblLandUse	BuildingSpaceSquareFeet	3,600.00	3,900.00
tblLandUse	LandUseSquareFeet	3,600.00	3,900.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	ConstructionPhaseStartDate	1/1/2018 6:43:27 AM	1/1/2018 12:00:00 AM
tblProjectCharacteristics	OperationalYear	2018	2020

tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripNumber	11.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	2.00	20.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	1/5/2018	5	5	
2	Grading	Grading	1/6/2018	1/12/2018	5	5	
3	Building Construction	Building Construction	1/13/2018	2/6/2018	5	17	

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	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
Demolition	2	20.00	0.00	10.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Grading	1	20.00	0.00	0.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Building Construction	1	20.00	3.00	0.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2400e-003	0.0000	1.2400e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	0.0164	0.0152	2.0000e-005		1.1300e-003	1.1300e-003		1.1000e-003	1.1000e-003	0.0000	2.0535	2.0535	3.2000e-004	0.0000	2.0616
Total	1.9600e-003	0.0164	0.0152	2.0000e-005	1.2400e-003	1.1300e-003	2.3700e-003	1.9000e-004	1.1000e-003	1.2900e-003	0.0000	2.0535	2.0535	3.2000e-004	0.0000	2.0616

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.6000e-003	2.0000e-004	0.0000	0.0341	1.0000e-005	0.0341	3.4200e-003	1.0000e-005	3.4200e-003	0.0000	0.4451	0.4451	3.0000e-005	0.0000	0.4458
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.7000e-004	2.7500e-003	1.0000e-005	0.2697	0.0000	0.2697	0.0270	0.0000	0.0270	0.0000	0.6560	0.6560	2.0000e-005	0.0000	0.6565
Total	3.7000e-004	1.8700e-003	2.9500e-003	1.0000e-005	0.3037	1.0000e-005	0.3037	0.0304	1.0000e-005	0.0304	0.0000	1.1011	1.1011	5.0000e-005	0.0000	1.1022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8000e-004	0.0000	4.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	0.0164	0.0152	2.0000e-005		1.1300e-003	1.1300e-003		1.1000e-003	1.1000e-003	0.0000	2.0535	2.0535	3.2000e-004	0.0000	2.0616
Total	1.9600e-003	0.0164	0.0152	2.0000e-005	4.8000e-004	1.1300e-003	1.6100e-003	7.0000e-005	1.1000e-003	1.1700e-003	0.0000	2.0535	2.0535	3.2000e-004	0.0000	2.0616

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.6000e-003	2.0000e-004	0.0000	0.0111	1.0000e-005	0.0111	1.1200e-003	1.0000e-005	1.1300e-003	0.0000	0.4451	0.4451	3.0000e-005	0.0000	0.4458
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.7000e-004	2.7500e-003	1.0000e-005	0.0878	0.0000	0.0878	8.8300e-003	0.0000	8.8300e-003	0.0000	0.6560	0.6560	2.0000e-005	0.0000	0.6565
Total	3.7000e-004	1.8700e-003	2.9500e-003	1.0000e-005	0.0989	1.0000e-005	0.0989	9.9500e-003	1.0000e-005	9.9600e-003	0.0000	1.1011	1.1011	5.0000e-005	0.0000	1.1022

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7000e-004	6.5700e-003	5.8400e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.3000e-004	4.3000e-004	0.0000	0.7094	0.7094	2.2000e-004	0.0000	0.7149
Total	6.7000e-004	6.5700e-003	5.8400e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.3000e-004	4.3000e-004	0.0000	0.7094	0.7094	2.2000e-004	0.0000	0.7149

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.7000e-004	2.7500e-003	1.0000e-005	0.2697	0.0000	0.2697	0.0270	0.0000	0.0270	0.0000	0.6560	0.6560	2.0000e-005	0.0000	0.6565
Total	3.4000e-004	2.7000e-004	2.7500e-003	1.0000e-005	0.2697	0.0000	0.2697	0.0270	0.0000	0.0270	0.0000	0.6560	0.6560	2.0000e-005	0.0000	0.6565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7000e-004	6.5700e-003	5.8400e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.3000e-004	4.3000e-004	0.0000	0.7094	0.7094	2.2000e-004	0.0000	0.7149
Total	6.7000e-004	6.5700e-003	5.8400e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.3000e-004	4.3000e-004	0.0000	0.7094	0.7094	2.2000e-004	0.0000	0.7149

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.7000e-004	2.7500e-003	1.0000e-005	0.0878	0.0000	0.0878	8.8300e-003	0.0000	8.8300e-003	0.0000	0.6560	0.6560	2.0000e-005	0.0000	0.6565
Total	3.4000e-004	2.7000e-004	2.7500e-003	1.0000e-005	0.0878	0.0000	0.0878	8.8300e-003	0.0000	8.8300e-003	0.0000	0.6560	0.6560	2.0000e-005	0.0000	0.6565

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2600e-003	0.0224	0.0199	3.0000e-005		1.5800e-003	1.5800e-003		1.4600e-003	1.4600e-003	0.0000	2.4118	2.4118	7.5000e-004	0.0000	2.4306
Total	2.2600e-003	0.0224	0.0199	3.0000e-005		1.5800e-003	1.5800e-003		1.4600e-003	1.4600e-003	0.0000	2.4118	2.4118	7.5000e-004	0.0000	2.4306

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	3.3300e-003	6.8000e-004	1.0000e-005	0.0549	3.0000e-005	0.0549	5.5100e-003	3.0000e-005	5.5400e-003	0.0000	0.7015	0.7015	6.0000e-005	0.0000	0.7029
Worker	1.1600e-003	9.1000e-004	9.3500e-003	2.0000e-005	0.9168	2.0000e-005	0.9168	0.0918	1.0000e-005	0.0919	0.0000	2.2304	2.2304	7.0000e-005	0.0000	2.2320
Total	1.2600e-003	4.2400e-003	0.0100	3.0000e-005	0.9717	5.0000e-005	0.9718	0.0974	4.0000e-005	0.0974	0.0000	2.9318	2.9318	1.3000e-004	0.0000	2.9349

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2600e-003	0.0224	0.0199	3.0000e-005		1.5800e-003	1.5800e-003		1.4600e-003	1.4600e-003	0.0000	2.4118	2.4118	7.5000e-004	0.0000	2.4306
Total	2.2600e-003	0.0224	0.0199	3.0000e-005		1.5800e-003	1.5800e-003		1.4600e-003	1.4600e-003	0.0000	2.4118	2.4118	7.5000e-004	0.0000	2.4306

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	3.3300e-003	6.8000e-004	1.0000e-005	0.0179	3.0000e-005	0.0179	1.8100e-003	3.0000e-005	1.8400e-003	0.0000	0.7015	0.7015	6.0000e-005	0.0000	0.7029
Worker	1.1600e-003	9.1000e-004	9.3500e-003	2.0000e-005	0.2986	2.0000e-005	0.2986	0.0300	1.0000e-005	0.0300	0.0000	2.2304	2.2304	7.0000e-005	0.0000	2.2320
Total	1.2600e-003	4.2400e-003	0.0100	3.0000e-005	0.3165	5.0000e-005	0.3165	0.0318	4.0000e-005	0.0319	0.0000	2.9318	2.9318	1.3000e-004	0.0000	2.9349

SJWA LMP - Construction at Davis Unit (D8) - Riverside-South Coast County, Summer

SJWA LMP - Construction at Davis Unit (D8)
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Mobile Home Park	3.00	Dwelling Unit	0.38	3,900.00	9

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Development of 3 1,300 square foot manufactured homes and and three 1,200 square-foot shade structures.

Construction Phase - Demolition of exisitng manufactured homes would occur over 1 week, installation of new homes would occur over one month.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips, building construction vendor trips, total hauling trips during demolition, and haul trip length.

On-road Fugitive Dust - Assumed 80% paved roads.

Demolition - Demolition of two double-wide trailers totaling 2,500 square feet.

Grading - Updated distrurbed acreage.

Construction Off-road Equipment Mitigation - Comply with AQMD Rule 403. Soil moisture content of 12%. Maintain vehicle speed of 15 mph. Water exposed area 3 times per day.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	100.00	17.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	5.00
tblLandUse	BuildingSpaceSquareFeet	3,600.00	3,900.00
tblLandUse	LandUseSquareFeet	3,600.00	3,900.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	ConstructionPhaseStartDate	1/1/2018 6:43:27 AM	1/1/2018 12:00:00 AM
tblProjectCharacteristics	OperationalYear	2018	2020

tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripNumber	11.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	2.00	20.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	1/5/2018	5	5	
2	Grading	Grading	1/6/2018	1/12/2018	5	5	
3	Building Construction	Building Construction	1/13/2018	2/6/2018	5	17	

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	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
Demolition	2	20.00	0.00	10.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Grading	1	20.00	0.00	0.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Building Construction	1	20.00	3.00	0.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4952	0.0000	0.4952	0.0750	0.0000	0.0750			0.0000			0.0000
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384		905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003	0.4952	0.4533	0.9485	0.0750	0.4384	0.5134		905.4406	905.4406	0.1433		909.0220

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0136	0.6219	0.0738	1.8700e-003	14.7539	2.5200e-003	14.7564	1.4789	2.4100e-003	1.4813		197.9588	197.9588	0.0111		198.2367
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	0.1494	0.1003	1.2960	3.1600e-003	116.8056	1.8400e-003	116.8075	11.6979	1.6900e-003	11.6996		314.3940	314.3940	9.4300e-003		314.6297
Total	0.1630	0.7222	1.3698	5.0300e-003	131.5595	4.3600e-003	131.5639	13.1768	4.1000e-003	13.1809		512.3528	512.3528	0.0206		512.8664

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1931	0.0000	0.1931	0.0292	0.0000	0.0292			0.0000			0.0000
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003	0.1931	0.4533	0.6464	0.0292	0.4384	0.4676	0.0000	905.4406	905.4406	0.1433		909.0220

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0136	0.6219	0.0738	1.8700e-003	4.8069	2.5200e-003	4.8094	0.4842	2.4100e-003	0.4866		197.9588	197.9588	0.0111		198.2367
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	0.1494	0.1003	1.2960	3.1600e-003	38.0253	1.8400e-003	38.0271	3.8198	1.6900e-003	3.8215		314.3940	314.3940	9.4300e-003		314.6297
Total	0.1630	0.7222	1.3698	5.0300e-003	42.8321	4.3600e-003	42.8365	4.3041	4.1000e-003	4.3082		512.3528	512.3528	0.0206		512.8664

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.1494	0.1003	1.2960	3.1600e-003	116.8056	1.8400e-003	116.8075	11.6979	1.6900e-003	11.6996		314.3940	314.3940	9.4300e-003		314.6297
Total	0.1494	0.1003	1.2960	3.1600e-003	116.8056	1.8400e-003	116.8075	11.6979	1.6900e-003	11.6996		314.3940	314.3940	9.4300e-003		314.6297

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.1494	0.1003	1.2960	3.1600e-003	38.0253	1.8400e-003	38.0271	3.8198	1.6900e-003	3.8215		314.3940	314.3940	9.4300e-003		314.6297
Total	0.1494	0.1003	1.2960	3.1600e-003	38.0253	1.8400e-003	38.0271	3.8198	1.6900e-003	3.8215		314.3940	314.3940	9.4300e-003		314.6297

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3855	0.0747	8.8000e-004	6.9946	3.4800e-003	6.9981	0.7017	3.3300e-003	0.7050		92.2769	92.2769	7.0600e-003		92.4534
Worker	0.1494	0.1003	1.2960	3.1600e-003	116.8056	1.8400e-003	116.8075	11.6979	1.6900e-003	11.6996		314.3940	314.3940	9.4300e-003		314.6297
Total	0.1613	0.4858	1.3707	4.0400e-003	123.8002	5.3200e-003	123.8055	12.3995	5.0200e-003	12.4046		406.6709	406.6709	0.0165		407.0831

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.3855	0.0747	8.8000e-004	2.2797	3.4800e-003	2.2832	0.2302	3.3300e-003	0.2335		92.2769	92.2769	7.0600e-003		92.4534
Worker	0.1494	0.1003	1.2960	3.1600e-003	38.0253	1.8400e-003	38.0271	3.8198	1.6900e-003	3.8215		314.3940	314.3940	9.4300e-003		314.6297
Total	0.1613	0.4858	1.3707	4.0400e-003	40.3050	5.3200e-003	40.3103	4.0500	5.0200e-003	4.0550		406.6709	406.6709	0.0165		407.0831

SJWA LMP - Construction at Davis Unit (D8) - Riverside-South Coast County, Winter

SJWA LMP - Construction at Davis Unit (D8)
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Mobile Home Park	3.00	Dwelling Unit	0.38	3,900.00	9

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Development of 3 1,300 square foot manufactured homes and and three 1,200 square-foot shade structures.

Construction Phase - Demolition of existng manufactured homes would occur over 1 week, installation of new homes would occur over one month.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips, building construction vendor trips, total hauling trips during demolition, and haul trip length.

On-road Fugitive Dust - Assumed 80% paved roads.

Demolition - Demolition of two double-wide trailers totaling 2,500 square feet.

Grading - Updated distrurbed acreage.

Construction Off-road Equipment Mitigation - Comply with AQMD Rule 403. Soil moisture content of 12%. Maintain vehicle speed of 15 mph. Water exposed area 3 times per day.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	100.00	17.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	5.00
tblLandUse	BuildingSpaceSquareFeet	3,600.00	3,900.00
tblLandUse	LandUseSquareFeet	3,600.00	3,900.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	VendorPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	ConstructionPhaseStartDate	1/1/2018 6:43:27 AM	1/1/2018 12:00:00 AM
tblProjectCharacteristics	OperationalYear	2018	2020

tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripNumber	11.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	2.00	20.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	1/5/2018	5	5	
2	Grading	Grading	1/6/2018	1/12/2018	5	5	
3	Building Construction	Building Construction	1/13/2018	2/6/2018	5	17	

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	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
Demolition	2	20.00	0.00	10.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Grading	1	20.00	0.00	0.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT
Building Construction	1	20.00	3.00	0.00	19.80	7.90	25.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4952	0.0000	0.4952	0.0750	0.0000	0.0750			0.0000			0.0000
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384		905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003	0.4952	0.4533	0.9485	0.0750	0.4384	0.5134		905.4406	905.4406	0.1433		909.0220

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0142	0.6320	0.0850	1.8300e-003	14.7539	2.5600e-003	14.7565	1.4789	2.4500e-003	1.4814		193.8982	193.8982	0.0121		194.2007
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	0.1490	0.1039	1.0418	2.8300e-003	116.8056	1.8400e-003	116.8075	11.6979	1.6900e-003	11.6996		281.9750	281.9750	8.1700e-003		282.1791
Total	0.1631	0.7360	1.1268	4.6600e-003	131.5595	4.4000e-003	131.5639	13.1768	4.1400e-003	13.1809		475.8732	475.8732	0.0203		476.3798

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1931	0.0000	0.1931	0.0292	0.0000	0.0292			0.0000			0.0000
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003	0.1931	0.4533	0.6464	0.0292	0.4384	0.4676	0.0000	905.4406	905.4406	0.1433		909.0220

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0142	0.6320	0.0850	1.8300e-003	4.8069	2.5600e-003	4.8095	0.4842	2.4500e-003	0.4867		193.8982	193.8982	0.0121		194.2007
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	0.1490	0.1039	1.0418	2.8300e-003	38.0253	1.8400e-003	38.0271	3.8198	1.6900e-003	3.8215		281.9750	281.9750	8.1700e-003		282.1791
Total	0.1631	0.7360	1.1268	4.6600e-003	42.8321	4.4000e-003	42.8365	4.3041	4.1400e-003	4.3082		475.8732	475.8732	0.0203		476.3798

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.1490	0.1039	1.0418	2.8300e-003	116.8056	1.8400e-003	116.8075	11.6979	1.6900e-003	11.6996		281.9750	281.9750	8.1700e-003		282.1791
Total	0.1490	0.1039	1.0418	2.8300e-003	116.8056	1.8400e-003	116.8075	11.6979	1.6900e-003	11.6996		281.9750	281.9750	8.1700e-003		282.1791

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.1490	0.1039	1.0418	2.8300e-003	38.0253	1.8400e-003	38.0271	3.8198	1.6900e-003	3.8215		281.9750	281.9750	8.1700e-003		282.1791
Total	0.1490	0.1039	1.0418	2.8300e-003	38.0253	1.8400e-003	38.0271	3.8198	1.6900e-003	3.8215		281.9750	281.9750	8.1700e-003		282.1791

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0124	0.3863	0.0855	8.5000e-004	6.9946	3.5100e-003	6.9981	0.7017	3.3600e-003	0.7050		89.1576	89.1576	7.8100e-003		89.3529
Worker	0.1490	0.1039	1.0418	2.8300e-003	116.8056	1.8400e-003	116.8075	11.6979	1.6900e-003	11.6996		281.9750	281.9750	8.1700e-003		282.1791
Total	0.1613	0.4902	1.1273	3.6800e-003	123.8002	5.3500e-003	123.8056	12.3995	5.0500e-003	12.4046		371.1326	371.1326	0.0160		371.5320

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0124	0.3863	0.0855	8.5000e-004	2.2797	3.5100e-003	2.2832	0.2302	3.3600e-003	0.2335		89.1576	89.1576	7.8100e-003		89.3529
Worker	0.1490	0.1039	1.0418	2.8300e-003	38.0253	1.8400e-003	38.0271	3.8198	1.6900e-003	3.8215		281.9750	281.9750	8.1700e-003		282.1791
Total	0.1613	0.4902	1.1273	3.6800e-003	40.3050	5.3500e-003	40.3103	4.0500	5.0500e-003	4.0551		371.1326	371.1326	0.0160		371.5320

SJWA LMP - Operations - SKR Management at Davis Unit - Riverside-South Coast County, Annual

**SJWA LMP - Operations - SKR Management at Davis Unit
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	300.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Conduct an annual habitat manipulation of approximately 300 acres.

Construction Phase - SKR management would occur from March to June. Activities include vegetation management, grazing, and invasive species control.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips (to reflect 2 one-way trips for each activity), added haul trips and adjusted worker and haul trip length reflect trips within the area.

On-road Fugitive Dust - Assumed 80% paved roads for worker and haul trips.

Demolition -

Grading - Updated disturbed acreage.

Construction Off-road Equipment Mitigation - Water 3 times daily. Moisture content of 12%. Maintain vehicle speeds of 15 mph.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	180.00	87.00
tblConstructionPhase	NumDays	180.00	87.00
tblConstructionPhase	NumDays	180.00	87.00
tblLandUse	LotAcreage	0.00	300.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Preparation 1
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

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	tons/yr										MT/yr					
2018	0.0719	0.6304	0.5925	8.8000e-004	2.3487	0.0441	2.3928	0.2353	0.0415	0.2768	0.0000	78.5107	78.5107	0.0174	0.0000	78.9445
Maximum	0.0719	0.6304	0.5925	8.8000e-004	2.3487	0.0441	2.3928	0.2353	0.0415	0.2768	0.0000	78.5107	78.5107	0.0174	0.0000	78.9445

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0719	0.6304	0.5925	8.8000e-004	0.7648	0.0441	0.8089	0.0769	0.0415	0.1184	0.0000	78.5106	78.5106	0.0174	0.0000	78.9444
Maximum	0.0719	0.6304	0.5925	8.8000e-004	0.7648	0.0441	0.8089	0.0769	0.0415	0.1184	0.0000	78.5106	78.5106	0.0174	0.0000	78.9444

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	67.44	0.00	66.19	67.32	0.00	57.23	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation 1	Site Preparation	3/1/2018	6/29/2018	5	87	Vegetation Management
2	Site Preparation 2	Site Preparation	3/1/2018	6/29/2018	5	87	Grazing
3	Site Preparation 3	Site Preparation	3/1/2018	6/29/2018	5	87	Invasive Species Control/Veg Mgmt

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation 1	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation 1	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation 2	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation 3	Tractors/Loaders/Backhoes	2	8.00	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
Site Preparation 1	2	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation 2	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation 3	2	6.00	0.00	2.00	19.80	7.90	10.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation 1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0342	0.2847	0.2637	4.1000e-004		0.0197	0.0197		0.0191	0.0191	0.0000	35.7310	35.7310	5.6500e-003	0.0000	35.8723
Total	0.0342	0.2847	0.2637	4.1000e-004	0.0000	0.0197	0.0197	0.0000	0.0191	0.0191	0.0000	35.7310	35.7310	5.6500e-003	0.0000	35.8723

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.4692	1.0000e-005	0.4692	0.0470	1.0000e-005	0.0470	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423
Total	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.4692	1.0000e-005	0.4692	0.0470	1.0000e-005	0.0470	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0342	0.2847	0.2637	4.1000e-004		0.0197	0.0197		0.0191	0.0191	0.0000	35.7309	35.7309	5.6500e-003	0.0000	35.8723
Total	0.0342	0.2847	0.2637	4.1000e-004	0.0000	0.0197	0.0197	0.0000	0.0191	0.0191	0.0000	35.7309	35.7309	5.6500e-003	0.0000	35.8723

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.1528	1.0000e-005	0.1528	0.0154	1.0000e-005	0.0154	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423
Total	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.1528	1.0000e-005	0.1528	0.0154	1.0000e-005	0.0154	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423

3.3 Site Preparation 2 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.1144	0.1017	1.4000e-004		8.1000e-003	8.1000e-003		7.4600e-003	7.4600e-003	0.0000	12.3429	12.3429	3.8400e-003	0.0000	12.4390
Total	0.0116	0.1144	0.1017	1.4000e-004	0.0000	8.1000e-003	8.1000e-003	0.0000	7.4600e-003	7.4600e-003	0.0000	12.3429	12.3429	3.8400e-003	0.0000	12.4390

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.4692	1.0000e-005	0.4692	0.0470	1.0000e-005	0.0470	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423
Total	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.4692	1.0000e-005	0.4692	0.0470	1.0000e-005	0.0470	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.1144	0.1017	1.4000e-004		8.1000e-003	8.1000e-003		7.4600e-003	7.4600e-003	0.0000	12.3429	12.3429	3.8400e-003	0.0000	12.4390
Total	0.0116	0.1144	0.1017	1.4000e-004	0.0000	8.1000e-003	8.1000e-003	0.0000	7.4600e-003	7.4600e-003	0.0000	12.3429	12.3429	3.8400e-003	0.0000	12.4390

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.1528	1.0000e-005	0.1528	0.0154	1.0000e-005	0.0154	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423
Total	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.1528	1.0000e-005	0.1528	0.0154	1.0000e-005	0.0154	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423

3.4 Site Preparation 3 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0232	0.2288	0.2033	2.7000e-004		0.0162	0.0162		0.0149	0.0149	0.0000	24.6859	24.6859	7.6900e-003	0.0000	24.8780
Total	0.0232	0.2288	0.2033	2.7000e-004	0.0000	0.0162	0.0162	0.0000	0.0149	0.0149	0.0000	24.6859	24.6859	7.6900e-003	0.0000	24.8780

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	2.0000e-004	2.0000e-005	0.0000	2.7200e-003	0.0000	2.7300e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.0438	0.0438	0.0000	0.0000	0.0439
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	1.7900e-003	1.4000e-003	0.0144	4.0000e-005	1.4076	2.0000e-005	1.4076	0.1410	2.0000e-005	0.1410	0.0000	3.4243	3.4243	1.0000e-004	0.0000	3.4268
Total	1.7900e-003	1.6000e-003	0.0144	4.0000e-005	1.4103	2.0000e-005	1.4103	0.1413	2.0000e-005	0.1413	0.0000	3.4681	3.4681	1.0000e-004	0.0000	3.4707

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0232	0.2288	0.2033	2.7000e-004		0.0162	0.0162		0.0149	0.0149	0.0000	24.6858	24.6858	7.6900e-003	0.0000	24.8780
Total	0.0232	0.2288	0.2033	2.7000e-004	0.0000	0.0162	0.0162	0.0000	0.0149	0.0149	0.0000	24.6858	24.6858	7.6900e-003	0.0000	24.8780

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	2.0000e-004	2.0000e-005	0.0000	8.9000e-004	0.0000	8.9000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0438	0.0438	0.0000	0.0000	0.0439
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	1.7900e-003	1.4000e-003	0.0144	4.0000e-005	0.4584	2.0000e-005	0.4584	0.0461	2.0000e-005	0.0461	0.0000	3.4243	3.4243	1.0000e-004	0.0000	3.4268
Total	1.7900e-003	1.6000e-003	0.0144	4.0000e-005	0.4593	2.0000e-005	0.4593	0.0462	2.0000e-005	0.0462	0.0000	3.4681	3.4681	1.0000e-004	0.0000	3.4707

SJWA LMP - Operations - SKR Management at Davis Unit - Riverside-South Coast County, Summer

**SJWA LMP - Operations - SKR Management at Davis Unit
Riverside-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	300.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Conduct an annual habitat manipulation of approximately 300 acres.

Construction Phase - SKR management would occur from March to June. Activities include vegetation management, grazing, and invasive species control.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips (to reflect 2 one-way trips for each activity), added haul trips and adjusted worker and haul trip length reflect trips within the area.

On-road Fugitive Dust - Assumed 80% paved roads for worker and haul trips.

Demolition -

Grading - Updated disturbed acreage.

Construction Off-road Equipment Mitigation - Water 3 times daily. Moisture content of 12%. Maintain vehicle speeds of 15 mph.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	180.00	87.00
tblConstructionPhase	NumDays	180.00	87.00
tblConstructionPhase	NumDays	180.00	87.00
tblLandUse	LotAcreage	0.00	300.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Preparation 1
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation 1	Site Preparation	3/1/2018	6/29/2018	5	87	Vegetation Management
2	Site Preparation 2	Site Preparation	3/1/2018	6/29/2018	5	87	Grazing
3	Site Preparation 3	Site Preparation	3/1/2018	6/29/2018	5	87	Invasive Species Control/Veg Mgmt

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation 1	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation 1	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation 2	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation 3	Tractors/Loaders/Backhoes	2	8.00	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
Site Preparation 1	2	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation 2	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation 3	2	6.00	0.00	2.00	19.80	7.90	10.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation 1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384		905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003	0.0000	0.4533	0.4533	0.0000	0.4384	0.4384		905.4406	905.4406	0.1433		909.0220

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0100	0.1296	3.2000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		31.4394	31.4394	9.4000e-004		31.4630
Total	0.0149	0.0100	0.1296	3.2000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		31.4394	31.4394	9.4000e-004		31.4630

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003	0.0000	0.4533	0.4533	0.0000	0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0100	0.1296	3.2000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		31.4394	31.4394	9.4000e-004		31.4630
Total	0.0149	0.0100	0.1296	3.2000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		31.4394	31.4394	9.4000e-004		31.4630

3.3 Site Preparation 2 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003	0.0000	0.1863	0.1863	0.0000	0.1714	0.1714		312.7760	312.7760	0.0974		315.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0100	0.1296	3.2000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		31.4394	31.4394	9.4000e-004		31.4630
Total	0.0149	0.0100	0.1296	3.2000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		31.4394	31.4394	9.4000e-004		31.4630

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003	0.0000	0.1863	0.1863	0.0000	0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0100	0.1296	3.2000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		31.4394	31.4394	9.4000e-004		31.4630
Total	0.0149	0.0100	0.1296	3.2000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		31.4394	31.4394	9.4000e-004		31.4630

3.4 Site Preparation 3 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428		625.5519	625.5519	0.1947		630.4205
Total	0.5322	5.2595	4.6734	6.2100e-003	0.0000	0.3726	0.3726	0.0000	0.3428	0.3428		625.5519	625.5519	0.1947		630.4205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.0000e-005	4.4700e-003	4.8000e-004	1.0000e-005	0.0678	1.0000e-005	0.0679	6.8000e-003	1.0000e-005	6.8100e-003		1.1284	1.1284	1.0000e-004		1.1310
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	0.0448	0.0301	0.3888	9.5000e-004	35.0417	5.5000e-004	35.0422	3.5094	5.1000e-004	3.5099		94.3182	94.3182	2.8300e-003		94.3889
Total	0.0449	0.0346	0.3893	9.6000e-004	35.1095	5.6000e-004	35.1101	3.5162	5.2000e-004	3.5167		95.4466	95.4466	2.9300e-003		95.5199

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Off-Road	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428	0.0000	625.5519	625.5519	0.1947			630.4205
Total	0.5322	5.2595	4.6734	6.2100e-003	0.0000	0.3726	0.3726	0.0000	0.3428	0.3428	0.0000	625.5519	625.5519	0.1947			630.4205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	9.0000e-005	4.4700e-003	4.8000e-004	1.0000e-005	0.0221	1.0000e-005	0.0221	2.2300e-003	1.0000e-005	2.2400e-003		1.1284	1.1284	1.0000e-004			1.1310
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	0.0448	0.0301	0.3888	9.5000e-004	11.4076	5.5000e-004	11.4081	1.1460	5.1000e-004	1.1465		94.3182	94.3182	2.8300e-003			94.3889
Total	0.0449	0.0346	0.3893	9.6000e-004	11.4297	5.6000e-004	11.4302	1.1482	5.2000e-004	1.1487		95.4466	95.4466	2.9300e-003			95.5199

SJWA LMP - Operations - SKR Management at Davis Unit - Riverside-South Coast County, Winter

SJWA LMP - Operations - SKR Management at Davis Unit
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	300.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Conduct an annual habitat manipulation of approximately 300 acres.

Construction Phase - SKR management would occur from March to June. Activities include vegetation management, grazing, and invasive species control.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips (to reflect 2 one-way trips for each activity), added haul trips and adjusted worker and haul trip length reflect trips within the area.

On-road Fugitive Dust - Assumed 80% paved roads for worker and haul trips.

Demolition -

Grading - Updated disturbed acreage.

Construction Off-road Equipment Mitigation - Water 3 times daily. Moisture content of 12%. Maintain vehicle speeds of 15 mph.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	180.00	87.00
tblConstructionPhase	NumDays	180.00	87.00
tblConstructionPhase	NumDays	180.00	87.00
tblLandUse	LotAcreage	0.00	300.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Preparation 1
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation 1	Site Preparation	3/1/2018	6/29/2018	5	87	Vegetation Management
2	Site Preparation 2	Site Preparation	3/1/2018	6/29/2018	5	87	Grazing
3	Site Preparation 3	Site Preparation	3/1/2018	6/29/2018	5	87	Invasive Species Control/Veg Mgmt

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation 1	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation 1	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation 2	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation 3	Tractors/Loaders/Backhoes	2	8.00	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
Site Preparation 1	2	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation 2	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation 3	2	6.00	0.00	2.00	19.80	7.90	10.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation 1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384		905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003	0.0000	0.4533	0.4533	0.0000	0.4384	0.4384		905.4406	905.4406	0.1433		909.0220

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0104	0.1042	2.8000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		28.1975	28.1975	8.2000e-004		28.2179
Total	0.0149	0.0104	0.1042	2.8000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		28.1975	28.1975	8.2000e-004		28.2179

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003	0.0000	0.4533	0.4533	0.0000	0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0104	0.1042	2.8000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		28.1975	28.1975	8.2000e-004		28.2179
Total	0.0149	0.0104	0.1042	2.8000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		28.1975	28.1975	8.2000e-004		28.2179

3.3 Site Preparation 2 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003	0.0000	0.1863	0.1863	0.0000	0.1714	0.1714		312.7760	312.7760	0.0974		315.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0104	0.1042	2.8000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		28.1975	28.1975	8.2000e-004		28.2179
Total	0.0149	0.0104	0.1042	2.8000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		28.1975	28.1975	8.2000e-004		28.2179

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003	0.0000	0.1863	0.1863	0.0000	0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0104	0.1042	2.8000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		28.1975	28.1975	8.2000e-004		28.2179
Total	0.0149	0.0104	0.1042	2.8000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		28.1975	28.1975	8.2000e-004		28.2179

3.4 Site Preparation 3 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Off-Road	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428		625.5519	625.5519	0.1947			630.4205
Total	0.5322	5.2595	4.6734	6.2100e-003	0.0000	0.3726	0.3726	0.0000	0.3428	0.3428		625.5519	625.5519	0.1947			630.4205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	1.0000e-004	4.4500e-003	6.1000e-004	1.0000e-005	0.0678	1.0000e-005	0.0679	6.8000e-003	1.0000e-005	6.8100e-003		1.0817	1.0817	1.1000e-004			1.0846
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	0.0447	0.0312	0.3126	8.5000e-004	35.0417	5.5000e-004	35.0422	3.5094	5.1000e-004	3.5099		84.5925	84.5925	2.4500e-003			84.6537
Total	0.0448	0.0356	0.3132	8.6000e-004	35.1095	5.6000e-004	35.1101	3.5162	5.2000e-004	3.5167		85.6742	85.6742	2.5600e-003			85.7383

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428	0.0000	625.5519	625.5519	0.1947		630.4205
Total	0.5322	5.2595	4.6734	6.2100e-003	0.0000	0.3726	0.3726	0.0000	0.3428	0.3428	0.0000	625.5519	625.5519	0.1947		630.4205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0000e-004	4.4500e-003	6.1000e-004	1.0000e-005	0.0221	1.0000e-005	0.0221	2.2300e-003	1.0000e-005	2.2400e-003		1.0817	1.0817	1.1000e-004		1.0846
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	0.0447	0.0312	0.3126	8.5000e-004	11.4076	5.5000e-004	11.4081	1.1460	5.1000e-004	1.1465		84.5925	84.5925	2.4500e-003		84.6537
Total	0.0448	0.0356	0.3132	8.6000e-004	11.4297	5.6000e-004	11.4302	1.1482	5.2000e-004	1.1487		85.6742	85.6742	2.5600e-003		85.7383

SJWA LMP - Operations - SKR Management at Potrero Unit - Riverside-South Coast County, Annual

**SJWA LMP - Operations - SKR Management at Potrero Unit
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	125.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Conduct an annual habitat manipulation of approximately 125 acres.

Construction Phase - SKR management would occur from March to June. Activities include vegetation management, grazing, and invasive species control.

Off-road Equipment - Updated equipment based on information from client.

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Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips (to reflect 2 one-way trips for each activity), added haul trips and adjusted worker and haul trip lengths reflect trips within area.

On-road Fugitive Dust - Assumed 80% paved roads.

Grading - Updated disturbed acreage.

Construction Off-road Equipment Mitigation - Water 3 times daily. Moisture content of 12%. Maintain vehicle speeds of 15 mph.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	120.00	87.00
tblConstructionPhase	NumDays	120.00	87.00
tblConstructionPhase	NumDays	120.00	87.00
tblLandUse	LotAcreage	0.00	125.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Preparation 1
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

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	tons/yr										MT/yr					
2018	0.0719	0.6304	0.5925	8.8000e-004	2.3487	0.0441	2.3928	0.2353	0.0415	0.2768	0.0000	78.5107	78.5107	0.0174	0.0000	78.9445
Maximum	0.0719	0.6304	0.5925	8.8000e-004	2.3487	0.0441	2.3928	0.2353	0.0415	0.2768	0.0000	78.5107	78.5107	0.0174	0.0000	78.9445

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0719	0.6304	0.5925	8.8000e-004	0.7648	0.0441	0.8089	0.0769	0.0415	0.1184	0.0000	78.5106	78.5106	0.0174	0.0000	78.9444
Maximum	0.0719	0.6304	0.5925	8.8000e-004	0.7648	0.0441	0.8089	0.0769	0.0415	0.1184	0.0000	78.5106	78.5106	0.0174	0.0000	78.9444

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	67.44	0.00	66.19	67.32	0.00	57.23	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

1	3-1-2018	5-31-2018	0.5306	0.5306
2	6-1-2018	8-31-2018	0.1672	0.1672
		Highest	0.5306	0.5306

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation 1	Site Preparation	3/1/2018	6/29/2018	5	87	Vegetation Management
2	Site Preparation 2	Site Preparation	3/1/2018	6/29/2018	5	87	Grazing
3	Site Preparation 3	Site Preparation	3/1/2018	6/29/2018	5	87	Invasive Species Control/Veg Mgmt

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation 1	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation 1	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation 2	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation 3	Tractors/Loaders/Backhoes	2	8.00	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
Site Preparation 1	2	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation 2	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation 3	2	6.00	0.00	2.00	19.80	7.90	10.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation 1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0342	0.2847	0.2637	4.1000e-004		0.0197	0.0197		0.0191	0.0191	0.0000	35.7310	35.7310	5.6500e-003	0.0000	35.8723
Total	0.0342	0.2847	0.2637	4.1000e-004		0.0197	0.0197		0.0191	0.0191	0.0000	35.7310	35.7310	5.6500e-003	0.0000	35.8723

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.4692	1.0000e-005	0.4692	0.0470	1.0000e-005	0.0470	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423
Total	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.4692	1.0000e-005	0.4692	0.0470	1.0000e-005	0.0470	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0342	0.2847	0.2637	4.1000e-004		0.0197	0.0197		0.0191	0.0191	0.0000	35.7309	35.7309	5.6500e-003	0.0000	35.8723
Total	0.0342	0.2847	0.2637	4.1000e-004		0.0197	0.0197		0.0191	0.0191	0.0000	35.7309	35.7309	5.6500e-003	0.0000	35.8723

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.1528	1.0000e-005	0.1528	0.0154	1.0000e-005	0.0154	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423
Total	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.1528	1.0000e-005	0.1528	0.0154	1.0000e-005	0.0154	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423

3.3 Site Preparation 2 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0116	0.1144	0.1017	1.4000e-004		8.1000e-003	8.1000e-003		7.4600e-003	7.4600e-003	0.0000	12.3429	12.3429	3.8400e-003	0.0000	12.4390
Total	0.0116	0.1144	0.1017	1.4000e-004		8.1000e-003	8.1000e-003		7.4600e-003	7.4600e-003	0.0000	12.3429	12.3429	3.8400e-003	0.0000	12.4390

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.4692	1.0000e-005	0.4692	0.0470	1.0000e-005	0.0470	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423
Total	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.4692	1.0000e-005	0.4692	0.0470	1.0000e-005	0.0470	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0116	0.1144	0.1017	1.4000e-004		8.1000e-003	8.1000e-003		7.4600e-003	7.4600e-003	0.0000	12.3429	12.3429	3.8400e-003	0.0000	12.4390
Total	0.0116	0.1144	0.1017	1.4000e-004		8.1000e-003	8.1000e-003		7.4600e-003	7.4600e-003	0.0000	12.3429	12.3429	3.8400e-003	0.0000	12.4390

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.1528	1.0000e-005	0.1528	0.0154	1.0000e-005	0.0154	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423
Total	6.0000e-004	4.7000e-004	4.7900e-003	1.0000e-005	0.1528	1.0000e-005	0.1528	0.0154	1.0000e-005	0.0154	0.0000	1.1414	1.1414	3.0000e-005	0.0000	1.1423

3.4 Site Preparation 3 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0232	0.2288	0.2033	2.7000e-004		0.0162	0.0162		0.0149	0.0149	0.0000	24.6859	24.6859	7.6900e-003	0.0000	24.8780
Total	0.0232	0.2288	0.2033	2.7000e-004		0.0162	0.0162		0.0149	0.0149	0.0000	24.6859	24.6859	7.6900e-003	0.0000	24.8780

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	2.0000e-004	2.0000e-005	0.0000	2.7200e-003	0.0000	2.7300e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.0438	0.0438	0.0000	0.0000	0.0439
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	1.7900e-003	1.4000e-003	0.0144	4.0000e-005	1.4076	2.0000e-005	1.4076	0.1410	2.0000e-005	0.1410	0.0000	3.4243	3.4243	1.0000e-004	0.0000	3.4268
Total	1.7900e-003	1.6000e-003	0.0144	4.0000e-005	1.4103	2.0000e-005	1.4103	0.1413	2.0000e-005	0.1413	0.0000	3.4681	3.4681	1.0000e-004	0.0000	3.4707

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0232	0.2288	0.2033	2.7000e-004		0.0162	0.0162		0.0149	0.0149	0.0000	24.6858	24.6858	7.6900e-003	0.0000	24.8780
Total	0.0232	0.2288	0.2033	2.7000e-004		0.0162	0.0162		0.0149	0.0149	0.0000	24.6858	24.6858	7.6900e-003	0.0000	24.8780

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	2.0000e-004	2.0000e-005	0.0000	8.9000e-004	0.0000	8.9000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0438	0.0438	0.0000	0.0000	0.0439
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	1.7900e-003	1.4000e-003	0.0144	4.0000e-005	0.4584	2.0000e-005	0.4584	0.0461	2.0000e-005	0.0461	0.0000	3.4243	3.4243	1.0000e-004	0.0000	3.4268
Total	1.7900e-003	1.6000e-003	0.0144	4.0000e-005	0.4593	2.0000e-005	0.4593	0.0462	2.0000e-005	0.0462	0.0000	3.4681	3.4681	1.0000e-004	0.0000	3.4707

SJWA LMP - Operations - SKR Management at Potrero Unit - Riverside-South Coast County, Summer

**SJWA LMP - Operations - SKR Management at Potrero Unit
Riverside-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	125.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Conduct an annual habitat manipulation of approximately 125 acres.

Construction Phase - SKR management would occur from March to June. Activities include vegetation management, grazing, and invasive species control.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips (to reflect 2 one-way trips for each activity), added haul trips and adjusted worker and haul trip lengths reflect trips within area.

On-road Fugitive Dust - Assumed 80% paved roads.

Grading - Updated disturbed acreage.

Construction Off-road Equipment Mitigation - Water 3 times daily. Moisture content of 12%. Maintain vehicle speeds of 15 mph.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	120.00	87.00
tblConstructionPhase	NumDays	120.00	87.00
tblConstructionPhase	NumDays	120.00	87.00
tblLandUse	LotAcreage	0.00	125.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Preparation 1
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation 1	Site Preparation	3/1/2018	6/29/2018	5	87	Vegetation Management
2	Site Preparation 2	Site Preparation	3/1/2018	6/29/2018	5	87	Grazing
3	Site Preparation 3	Site Preparation	3/1/2018	6/29/2018	5	87	Invasive Species Control/Veg Maint

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation 1	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation 1	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation 2	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation 3	Tractors/Loaders/Backhoes	2	8.00	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
Site Preparation 1	2	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation 2	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation 3	2	6.00	0.00	2.00	19.80	7.90	10.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation 1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384		905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384		905.4406	905.4406	0.1433		909.0220

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0100	0.1296	3.2000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		31.4394	31.4394	9.4000e-004		31.4630
Total	0.0149	0.0100	0.1296	3.2000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		31.4394	31.4394	9.4000e-004		31.4630

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0100	0.1296	3.2000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		31.4394	31.4394	9.4000e-004		31.4630
Total	0.0149	0.0100	0.1296	3.2000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		31.4394	31.4394	9.4000e-004		31.4630

3.3 Site Preparation 2 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974		315.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0100	0.1296	3.2000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		31.4394	31.4394	9.4000e-004		31.4630
Total	0.0149	0.0100	0.1296	3.2000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		31.4394	31.4394	9.4000e-004		31.4630

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0100	0.1296	3.2000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		31.4394	31.4394	9.4000e-004		31.4630
Total	0.0149	0.0100	0.1296	3.2000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		31.4394	31.4394	9.4000e-004		31.4630

3.4 Site Preparation 3 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428		625.5519	625.5519	0.1947			630.4205
Total	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428		625.5519	625.5519	0.1947			630.4205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	9.0000e-005	4.4700e-003	4.8000e-004	1.0000e-005	0.0678	1.0000e-005	0.0679	6.8000e-003	1.0000e-005	6.8100e-003		1.1284	1.1284	1.0000e-004			1.1310
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	0.0448	0.0301	0.3888	9.5000e-004	35.0417	5.5000e-004	35.0422	3.5094	5.1000e-004	3.5099		94.3182	94.3182	2.8300e-003			94.3889
Total	0.0449	0.0346	0.3893	9.6000e-004	35.1095	5.6000e-004	35.1101	3.5162	5.2000e-004	3.5167		95.4466	95.4466	2.9300e-003			95.5199

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428	0.0000	625.5519	625.5519	0.1947		630.4205
Total	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428	0.0000	625.5519	625.5519	0.1947		630.4205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.0000e-005	4.4700e-003	4.8000e-004	1.0000e-005	0.0221	1.0000e-005	0.0221	2.2300e-003	1.0000e-005	2.2400e-003		1.1284	1.1284	1.0000e-004		1.1310
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	0.0448	0.0301	0.3888	9.5000e-004	11.4076	5.5000e-004	11.4081	1.1460	5.1000e-004	1.1465		94.3182	94.3182	2.8300e-003		94.3889
Total	0.0449	0.0346	0.3893	9.6000e-004	11.4297	5.6000e-004	11.4302	1.1482	5.2000e-004	1.1487		95.4466	95.4466	2.9300e-003		95.5199

SJWA LMP - Operations - SKR Management at Potrero Unit - Riverside-South Coast County, Winter

SJWA LMP - Operations - SKR Management at Potrero Unit
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	125.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Conduct an annual habitat manipulation of approximately 125 acres.

Construction Phase - SKR management would occur from March to June. Activities include vegetation management, grazing, and invasive species control.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips (to reflect 2 one-way trips for each activity), added haul trips and adjusted worker and haul trip lengths reflect trips within area.

On-road Fugitive Dust - Assumed 80% paved roads.

Grading - Updated disturbed acreage.

Construction Off-road Equipment Mitigation - Water 3 times daily. Moisture content of 12%. Maintain vehicle speeds of 15 mph.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	120.00	87.00
tblConstructionPhase	NumDays	120.00	87.00
tblConstructionPhase	NumDays	120.00	87.00
tblLandUse	LotAcreage	0.00	125.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Preparation 1
tblOnRoadDust	HaulingPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation 1	Site Preparation	3/1/2018	6/29/2018	5	87	Vegetation Management
2	Site Preparation 2	Site Preparation	3/1/2018	6/29/2018	5	87	Grazing
3	Site Preparation 3	Site Preparation	3/1/2018	6/29/2018	5	87	Invasive Species Control/Veg Mgmt

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation 1	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation 1	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation 2	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation 3	Tractors/Loaders/Backhoes	2	8.00	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
Site Preparation 1	2	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation 2	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation 3	2	6.00	0.00	2.00	19.80	7.90	10.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation 1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384		905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384		905.4406	905.4406	0.1433		909.0220

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0104	0.1042	2.8000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		28.1975	28.1975	8.2000e-004		28.2179
Total	0.0149	0.0104	0.1042	2.8000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		28.1975	28.1975	8.2000e-004		28.2179

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0104	0.1042	2.8000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		28.1975	28.1975	8.2000e-004		28.2179
Total	0.0149	0.0104	0.1042	2.8000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		28.1975	28.1975	8.2000e-004		28.2179

3.3 Site Preparation 2 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974			315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714		312.7760	312.7760	0.0974			315.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
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	0.0149	0.0104	0.1042	2.8000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		28.1975	28.1975	8.2000e-004			28.2179
Total	0.0149	0.0104	0.1042	2.8000e-004	11.6806	1.8000e-004	11.6808	1.1698	1.7000e-004	1.1700		28.1975	28.1975	8.2000e-004			28.2179

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102
Total	0.2661	2.6297	2.3367	3.1100e-003		0.1863	0.1863		0.1714	0.1714	0.0000	312.7760	312.7760	0.0974		315.2102

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0149	0.0104	0.1042	2.8000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		28.1975	28.1975	8.2000e-004		28.2179
Total	0.0149	0.0104	0.1042	2.8000e-004	3.8025	1.8000e-004	3.8027	0.3820	1.7000e-004	0.3822		28.1975	28.1975	8.2000e-004		28.2179

3.4 Site Preparation 3 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428		625.5519	625.5519	0.1947			630.4205
Total	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428		625.5519	625.5519	0.1947			630.4205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	1.0000e-004	4.4500e-003	6.1000e-004	1.0000e-005	0.0678	1.0000e-005	0.0679	6.8000e-003	1.0000e-005	6.8100e-003		1.0817	1.0817	1.1000e-004			1.0846
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	0.0447	0.0312	0.3126	8.5000e-004	35.0417	5.5000e-004	35.0422	3.5094	5.1000e-004	3.5099		84.5925	84.5925	2.4500e-003			84.6537
Total	0.0448	0.0356	0.3132	8.6000e-004	35.1095	5.6000e-004	35.1101	3.5162	5.2000e-004	3.5167		85.6742	85.6742	2.5600e-003			85.7383

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428	0.0000	625.5519	625.5519	0.1947		630.4205
Total	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428	0.0000	625.5519	625.5519	0.1947		630.4205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0000e-004	4.4500e-003	6.1000e-004	1.0000e-005	0.0221	1.0000e-005	0.0221	2.2300e-003	1.0000e-005	2.2400e-003		1.0817	1.0817	1.1000e-004		1.0846
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	0.0447	0.0312	0.3126	8.5000e-004	11.4076	5.5000e-004	11.4081	1.1460	5.1000e-004	1.1465		84.5925	84.5925	2.4500e-003		84.6537
Total	0.0448	0.0356	0.3132	8.6000e-004	11.4297	5.6000e-004	11.4302	1.1482	5.2000e-004	1.1487		85.6742	85.6742	2.5600e-003		85.7383

SJWA LMP - Operations - Agriculture at Davis Unit - Riverside-South Coast County, Annual

**SJWA LMP - Operations - Agriculture at Davis Unit
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	400.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Conduct crop management to 400 acres.

Construction Phase - Crop management would be conducted March through July.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips (to reflect 2 one-way trips) and adjusted worker trip length reflect trips onsite.

On-road Fugitive Dust - Assumed 80% paved roads.

Grading -

Construction Off-road Equipment Mitigation - Water 3 times daily. Moisture content of 12%. Maintain vehicle speeds of 15 mph.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	240.00	109.00
tblLandUse	LotAcreage	0.00	400.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Preparation
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2018	7/31/2018	5	109	

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	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
Site Preparation	2	6.00	0.00	0.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0428	0.3567	0.3303	5.1000e-004		0.0247	0.0247		0.0239	0.0239	0.0000	44.7664	44.7664	7.0800e-003	0.0000	44.9435
Total	0.0428	0.3567	0.3303	5.1000e-004		0.0247	0.0247		0.0239	0.0239	0.0000	44.7664	44.7664	7.0800e-003	0.0000	44.9435

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3500e-003	9.6000e-004	0.0100	2.0000e-005	0.8907	2.0000e-005	0.8907	0.0892	1.0000e-005	0.0892	0.0000	2.2012	2.2012	7.0000e-005	0.0000	2.2029
Total	1.3500e-003	9.6000e-004	0.0100	2.0000e-005	0.8907	2.0000e-005	0.8907	0.0892	1.0000e-005	0.0892	0.0000	2.2012	2.2012	7.0000e-005	0.0000	2.2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0428	0.3567	0.3303	5.1000e-004		0.0247	0.0247		0.0239	0.0239	0.0000	44.7664	44.7664	7.0800e-003	0.0000	44.9434
Total	0.0428	0.3567	0.3303	5.1000e-004		0.0247	0.0247		0.0239	0.0239	0.0000	44.7664	44.7664	7.0800e-003	0.0000	44.9434

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3500e-003	9.6000e-004	0.0100	2.0000e-005	0.2900	2.0000e-005	0.2901	0.0292	1.0000e-005	0.0292	0.0000	2.2012	2.2012	7.0000e-005	0.0000	2.2029
Total	1.3500e-003	9.6000e-004	0.0100	2.0000e-005	0.2900	2.0000e-005	0.2901	0.0292	1.0000e-005	0.0292	0.0000	2.2012	2.2012	7.0000e-005	0.0000	2.2029

SJWA LMP - Operations - Agriculture at Davis Unit - Riverside-South Coast County, Summer

**SJWA LMP - Operations - Agriculture at Davis Unit
Riverside-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	400.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Conduct crop management to 400 acres.

Construction Phase - Crop management would be conducted March through July.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips (to reflect 2 one-way trips) and adjusted worker trip length reflect trips onsite.

On-road Fugitive Dust - Assumed 80% paved roads.

Grading -

Construction Off-road Equipment Mitigation - Water 3 times daily. Moisture content of 12%. Maintain vehicle speeds of 15 mph.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	240.00	109.00
tblLandUse	LotAcreage	0.00	400.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Preparation
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2018	7/31/2018	5	109	

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	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
Site Preparation	2	6.00	0.00	0.00	10.00	6.90	20.00	D_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384		905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384		905.4406	905.4406	0.1433		909.0220

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0281	0.0164	0.2119	4.9000e-004	17.6979	3.0000e-004	17.6982	1.7724	2.7000e-004	1.7727		48.3506	48.3506	1.5100e-003		48.3884
Total	0.0281	0.0164	0.2119	4.9000e-004	17.6979	3.0000e-004	17.6982	1.7724	2.7000e-004	1.7727		48.3506	48.3506	1.5100e-003		48.3884

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0281	0.0164	0.2119	4.9000e-004	5.7614	3.0000e-004	5.7617	0.5788	2.7000e-004	0.5791		48.3506	48.3506	1.5100e-003		48.3884
Total	0.0281	0.0164	0.2119	4.9000e-004	5.7614	3.0000e-004	5.7617	0.5788	2.7000e-004	0.5791		48.3506	48.3506	1.5100e-003		48.3884

SJWA LMP - Operations - Agriculture at Davis Unit - Riverside-South Coast County, Winter

SJWA LMP - Operations - Agriculture at Davis Unit
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	400.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Conduct crop management to 400 acres.

Construction Phase - Crop management would be conducted March through July.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips (to reflect 2 one-way trips) and adjusted worker trip length reflect trips onsite.

On-road Fugitive Dust - Assumed 80% paved roads.

Grading -

Construction Off-road Equipment Mitigation - Water 3 times daily. Moisture content of 12%. Maintain vehicle speeds of 15 mph.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	240.00	109.00
tblLandUse	LotAcreage	0.00	400.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Preparation
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2018	7/31/2018	5	109	

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	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
Site Preparation	2	6.00	0.00	0.00	10.00	6.90	20.00	D_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384		905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384		905.4406	905.4406	0.1433		909.0220

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0266	0.0170	0.1755	4.4000e-004	17.6979	3.0000e-004	17.6982	1.7724	2.7000e-004	1.7727		43.4144	43.4144	1.3300e-003		43.4478
Total	0.0266	0.0170	0.1755	4.4000e-004	17.6979	3.0000e-004	17.6982	1.7724	2.7000e-004	1.7727		43.4144	43.4144	1.3300e-003		43.4478

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220
Total	0.7855	6.5447	6.0608	9.3600e-003		0.4533	0.4533		0.4384	0.4384	0.0000	905.4406	905.4406	0.1433		909.0220

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0266	0.0170	0.1755	4.4000e-004	5.7614	3.0000e-004	5.7617	0.5788	2.7000e-004	0.5791		43.4144	43.4144	1.3300e-003		43.4478
Total	0.0266	0.0170	0.1755	4.4000e-004	5.7614	3.0000e-004	5.7617	0.5788	2.7000e-004	0.5791		43.4144	43.4144	1.3300e-003		43.4478

SJWA LMP - Operations - Trail and Road Maintenance at Davis Unit - Riverside-South Coast County, Annual

**SJWA LMP - Operations - Trail and Road Maintenance at Davis Unit
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	21.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10	Operational Year		2019	
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).
- Land Use - Conduct trail, access, and road maintenance on an estimated 21 acres (proposed 5-mile trail around mystic lake).
- Construction Phase - Trail, access, and road maintenance would be conducted January through December.
- Off-road Equipment - Updated equipment based on information from client.
- Off-road Equipment - Updated equipment based on information from client.
- Trips and VMT - Updated worker trips (to reflect 2 one-way trips) and adjusted worker trip length by half to reflect trips onsite.
- On-road Fugitive Dust - Assumed 80% paved roads.
- Grading -
- Construction Off-road Equipment Mitigation - Soil moisture content of 12%. Maintain vehicle speed of 15 mph. Water exposed area 3 times per day.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	35.00	260.00
tblLandUse	LotAcreage	0.00	21.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2019
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripLength	19.80	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2018	12/28/2018	5	260	Trail and Road Maintenance

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Tractors/Loaders/Backhoes	2	8.00	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
Grading	2	6.00	0.00	0.00	10.00	7.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0692	0.6837	0.6076	8.1000e-004		0.0484	0.0484		0.0446	0.0446	0.0000	73.7739	73.7739	0.0230	0.0000	74.3480
Total	0.0692	0.6837	0.6076	8.1000e-004		0.0484	0.0484		0.0446	0.0446	0.0000	73.7739	73.7739	0.0230	0.0000	74.3480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2200e-003	2.2800e-003	0.0239	6.0000e-005	2.1245	4.0000e-005	2.1246	0.2128	4.0000e-005	0.2129	0.0000	5.2506	5.2506	1.6000e-004	0.0000	5.2546
Total	3.2200e-003	2.2800e-003	0.0239	6.0000e-005	2.1245	4.0000e-005	2.1246	0.2128	4.0000e-005	0.2129	0.0000	5.2506	5.2506	1.6000e-004	0.0000	5.2546

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0692	0.6837	0.6076	8.1000e-004		0.0484	0.0484		0.0446	0.0446	0.0000	73.7738	73.7738	0.0230	0.0000	74.3479
Total	0.0692	0.6837	0.6076	8.1000e-004		0.0484	0.0484		0.0446	0.0446	0.0000	73.7738	73.7738	0.0230	0.0000	74.3479

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2200e-003	2.2800e-003	0.0239	6.0000e-005	0.6918	4.0000e-005	0.6919	0.0696	4.0000e-005	0.0696	0.0000	5.2506	5.2506	1.6000e-004	0.0000	5.2546
Total	3.2200e-003	2.2800e-003	0.0239	6.0000e-005	0.6918	4.0000e-005	0.6919	0.0696	4.0000e-005	0.0696	0.0000	5.2506	5.2506	1.6000e-004	0.0000	5.2546

SJWA LMP - Operations - Trail and Road Maintenance at Davis Unit - Riverside-South Coast County, Summer

SJWA LMP - Operations - Trail and Road Maintenance at Davis Unit
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	21.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Conduct trail, access, and road maintenance on an estimated 21 acres (proposed 5-mile trail around mystic lake).

Construction Phase - Trail, access, and road maintenance would be conducted January through December.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips (to reflect 2 one-way trips) and adjusted worker trip length by half to reflect trips onsite.

On-road Fugitive Dust - Assumed 80% paved roads.

Grading -

Construction Off-road Equipment Mitigation - Soil moisture content of 12%. Maintain vehicle speed of 15 mph. Water exposed area 3 times per day.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	35.00	260.00
tblLandUse	LotAcreage	0.00	21.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2019
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripLength	19.80	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2018	12/28/2018	5	260	Trail and Road Maintenance

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Tractors/Loaders/Backhoes	2	8.00	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
Grading	2	6.00	0.00	0.00	10.00	7.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428		625.5519	625.5519	0.1947		630.4205
Total	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428		625.5519	625.5519	0.1947		630.4205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0281	0.0164	0.2119	4.9000e-004	17.6979	3.0000e-004	17.6982	1.7724	2.7000e-004	1.7727		48.3506	48.3506	1.5100e-003		48.3884
Total	0.0281	0.0164	0.2119	4.9000e-004	17.6979	3.0000e-004	17.6982	1.7724	2.7000e-004	1.7727		48.3506	48.3506	1.5100e-003		48.3884

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428	0.0000	625.5519	625.5519	0.1947		630.4205
Total	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428	0.0000	625.5519	625.5519	0.1947		630.4205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0281	0.0164	0.2119	4.9000e-004	5.7614	3.0000e-004	5.7617	0.5788	2.7000e-004	0.5791		48.3506	48.3506	1.5100e-003		48.3884
Total	0.0281	0.0164	0.2119	4.9000e-004	5.7614	3.0000e-004	5.7617	0.5788	2.7000e-004	0.5791		48.3506	48.3506	1.5100e-003		48.3884

SJWA LMP - Operations - Trail and Road Maintenance at Davis Unit - Riverside-South Coast County, Winter

**SJWA LMP - Operations - Trail and Road Maintenance at Davis Unit
Riverside-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	21.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJWA LMP. Riverside County (South Coast Air Basin).

Land Use - Conduct trail, access, and road maintenance on an estimated 21 acres (proposed 5-mile trail around mystic lake).

Construction Phase - Trail, access, and road maintenance would be conducted January through December.

Off-road Equipment - Updated equipment based on information from client.

Off-road Equipment - Updated equipment based on information from client.

Trips and VMT - Updated worker trips (to reflect 2 one-way trips) and adjusted worker trip length by half to reflect trips onsite.

On-road Fugitive Dust - Assumed 80% paved roads.

Grading -

Construction Off-road Equipment Mitigation - Soil moisture content of 12%. Maintain vehicle speed of 15 mph. Water exposed area 3 times per day.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	100
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0.5	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	35.00	260.00
tblLandUse	LotAcreage	0.00	21.00
tblOnRoadDust	WorkerPercentPave	100.00	80.00
tblProjectCharacteristics	OperationalYear	2018	2019
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripLength	19.80	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2018	12/28/2018	5	260	Trail and Road Maintenance

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Tractors/Loaders/Backhoes	2	8.00	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
Grading	2	6.00	0.00	0.00	10.00	7.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428		625.5519	625.5519	0.1947			630.4205
Total	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428		625.5519	625.5519	0.1947			630.4205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
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	0.0266	0.0170	0.1755	4.4000e-004	17.6979	3.0000e-004	17.6982	1.7724	2.7000e-004	1.7727		43.4144	43.4144	1.3300e-003			43.4478
Total	0.0266	0.0170	0.1755	4.4000e-004	17.6979	3.0000e-004	17.6982	1.7724	2.7000e-004	1.7727		43.4144	43.4144	1.3300e-003			43.4478

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428	0.0000	625.5519	625.5519	0.1947		630.4205
Total	0.5322	5.2595	4.6734	6.2100e-003		0.3726	0.3726		0.3428	0.3428	0.0000	625.5519	625.5519	0.1947		630.4205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0266	0.0170	0.1755	4.4000e-004	5.7614	3.0000e-004	5.7617	0.5788	2.7000e-004	0.5791		43.4144	43.4144	1.3300e-003		43.4478
Total	0.0266	0.0170	0.1755	4.4000e-004	5.7614	3.0000e-004	5.7617	0.5788	2.7000e-004	0.5791		43.4144	43.4144	1.3300e-003		43.4478

Road Construction Emissions Model, Version 8.1.0

Daily Emission Estimates for -> 9152 SJWA LMP - New roads and trails (Davis Unit)														
Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	Total Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	2.78	26.51	18.05	16.48	1.48	15.00	4.25	1.13	3.12	0.06	5,610.82	0.52	0.10	5,653.48
Grading/Excavation	3.65	31.19	27.88	16.85	1.85	15.00	4.58	1.46	3.12	0.07	6,955.08	0.93	0.11	7,011.46
Drainage/Utilities/Sub-Grade	2.78	26.51	18.05	16.48	1.48	15.00	4.25	1.13	3.12	0.06	5,610.82	0.52	0.10	5,653.48
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	3.65	31.19	27.88	16.85	1.85	15.00	4.58	1.46	3.12	0.07	6,955.08	0.93	0.11	7,011.46
Total (tons/construction project)	0.03	0.31	0.25	0.18	0.02	0.17	0.05	0.01	0.03	0.00	68.37	0.01	0.00	68.91
Notes: Project Start Year -> 2017														
Project Length (months) -> 1														
Total Project Area (acres) -> 30														
Maximum Area Disturbed/Day (acres) -> 2														
Water Truck Used? -> Yes														
		Total Material Imported/Exported Volume (yd ³ /day)		Daily VMT (miles/day)										
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck								
Grubbing/Land Clearing	0	0	100	0	4,320	20								
Grading/Excavation	0	0	100	0	4,320	20								
Drainage/Utilities/Sub-Grade	0	0	100	0	4,320	20								
Paving	0	0	0	0	0	0								
PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.														
Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.														
CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.														

Total Emission Estimates by Phase for -> 9152 SJWA LMP - New roads and trails (Davis Unit)														
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	PM10 (tons/phase)	PM10 (tons/phase)	PM10 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.04	0.03	0.03	0.00	0.02	0.01	0.00	0.01	0.00	9.26	0.00	0.00	8.46
Grading/Excavation	0.02	0.15	0.14	0.08	0.01	0.07	0.02	0.01	0.02	0.00	34.43	0.00	0.00	31.49
Drainage/Utilities/Sub-Grade	0.01	0.12	0.08	0.07	0.01	0.07	0.02	0.00	0.01	0.00	24.69	0.00	0.00	22.57
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.02	0.15	0.14	0.08	0.01	0.07	0.02	0.01	0.02	0.00	34.43	0.00	0.00	31.49
Total (tons/construction project)	0.03	0.31	0.25	0.18	0.02	0.17	0.05	0.01	0.03	0.00	68.37	0.01	0.00	62.52

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

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

The CO2e emissions are reported as metric tons per phase.

SJWA - Operational Mobile Source Emissions

Hunter/Fisherman Trips - Off-Site Light Duty Vehicles (LDA, LDT1, LDT2)

	Units	ROG (VOC)	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	CO ₂	CO ₂ E
Trips per Day	trips	34	34	34	34	34	34	34	-
Trips per Year	trips	1020	1020	1020	1020	1020	1020	1020	-
Distance Traveled	miles/trip	10.1	10.1	10.1	10.1	10.1	10.1	10.1	-
Emission Factor	g/mi	0.02	0.67	1.07	0.00	0.03	0.10	333.85	-
Daily Emissions	lb/day	0.01	0.50	0.81	0.00	0.02	0.08	252.74	266.14
Annual Emissions	lb/year	0.41	15.11	24.28	0.08	0.60	2.38	7582.28	7984.14
	tons/year	0.00	0.00	0.00	0.00	0.00	0.00	3.79	3.99
	metric tons/year	0.00	0.00	0.00	0.00	0.00	0.00	3.44	3.62

VMT
Daily 343
Annual 10,302

Daily Emissions

Total Mobile Emissions					
ROG (VOC)	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
3.39	4.59	40.98	0.01	0.04	0.15

Annual Emissions

CO ₂	CO ₂ E
11.05	11.64

Bird Watchers/Wildlife Viewers Trips - Off-Site Light Duty Vehicles (LDA, LDT1, LDT2)

	Units	ROG (VOC)	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	CO ₂	CO ₂ E
Trips per Day	trips	4	4	4	4	4	4	4	-
Trips per Year	trips	960	960	960	960	960	960	960	-
Distance Traveled	miles/trip	10.1	10.1	10.1	10.1	10.1	10.1	10.1	-
Emission Factor	g/mi	0.02	0.67	1.07	0.00	0.03	0.10	333.85	-
Daily Emissions	lb/day	0.00	0.06	0.10	0.00	0.00	0.01	29.73	31.31
Annual Emissions	lb/year	0.38	14.22	22.85	0.07	0.56	2.24	7136.26	7514.49
	tons/year	0.00	0.00	0.00	0.00	0.00	0.00	3.57	3.76
	metric tons/year	0.00	0.00	0.00	0.00	0.00	0.00	3.24	3.41

VMT
Daily 40
Annual 9,696

School Trips - Off-Site School Buse (SBUS)

	Units	ROG (VOC)	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	CO ₂	CO ₂ E
Trips per Day	trips	2.0000	2.0000	2.0000	2.0000	2	2	2	-
Trips per Year	trips	20.0	20.0	20.0	20.0	20	20	20	-
Distance Traveled	miles/trip	10.1	10.1	10.1	10.1	10.1	10.1	10.1	-
Emission Factor	g/mi	7.58	7.79	89.60	0.00	0.03	0.10	333.85	-
Daily Emissions	lb/day	3.38	3.47	39.90	0.00	0.01	0.05	14.87	15.66
Annual Emissions	lb/year	3.38	3.47	39.90	0.00	0.01	0.05	148.67	156.55
	tons/year	0.00	0.00	0.02	0.00	0.00	0.00	0.07	0.08
	metric tons/year	0.00	0.00	0.02	0.00	0.00	0.00	0.07	0.07

VMT
Daily 20.200
Annual 202

Dog Trainer Trips - Off-Site Light Duty Vehicles (LDA, LDT1, LDT2)

	Units	ROG (VOC)	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	CO ₂	CO ₂ E
Trips per Day	trips	4	4	4	4	4	4	4	-
Trips per Year	trips	720	720	720	720	720	720	720	-
Distance Traveled	miles/trip	10.1	10.1	10.1	10.1	10.1	10.1	10.1	-
Emission Factor	g/mi	0.02	0.67	1.07	0.00	0.03	0.10	333.85	-
Daily Emissions	lb/day	0.00	0.06	0.10	0.00	0.00	0.01	29.73	31.31
Annual Emissions	lb/year	0.29	10.67	17.14	0.05	0.42	1.68	5352.20	5635.86
	tons/year	0.00	0.00	0.00	0.00	0.00	0.00	2.68	2.82
	metric tons/year	0.00	0.00	0.00	0.00	0.00	0.00	2.43	2.56

VMT
Daily 40
Annual 7,272

Equestrian User Trips - Off-Site Light Duty Vehicles (LDA, LDT1, LDT2)

	Units	ROG (VOC)	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	CO ₂	CO ₂ E		VMT
Trips per Day	trips	2	2	2	2	2	2	2	-	Daily	20
Trips per Year	trips	480	480	480	480	480	480	480	-	Annual	4,848
Distance Traveled	miles/trip	10.1	10.1	10.1	10.1	10.1	10.1	10.1	-		
Emission Factor	g/mi	0.02	0.67	1.07	0.00	0.03	0.10	333.85	-		
Daily Emissions	lb/day	0.00	0.03	0.05	0.00	0.00	0.00	14.87	15.66		
Annual Emissions	lb/year	0.19	7.11	11.43	0.04	0.28	1.12	3568.13	3757.24		
	tons/year	0.00	0.00	0.00	0.00	0.00	0.00	1.78	1.88		
	metric tons/year	0.00	0.00	0.00	0.00	0.00	0.00	1.62	1.70		

School Bus trips - Off-Site Heavy Duty Vehicles (HHD)

	Units	ROG (VOC)	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	CO ₂	CO ₂ E		VMT
Trips per Day	trips	2.00	2.00	2.00	2.00	2.00	2.00	2.00	-	Daily	20
Trips per Year	trips	20	20	20	20	20	20	20	-	Annual	202
Distance Traveled	miles/trip	10.1	10.1	10.1	10.1	10.1	10.1	10.1	-		
Emission Factor	g/mi	0.21	10.51	0.64	0.01	0.11	0.10	1300.00	-		
Daily Emissions	lb/day	0.01	0.47	0.03	0.00	0.01	0.00	57.89	60.96		
Annual Emissions	lb/year	0.09	4.68	0.28	0.00	0.05	0.05	578.92	609.61		
	tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.30		
	metric tons/year	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.28		

Trip Estimates

Daily Trips Annual Trips

Fisherman/Hunter Trips - Off-Site Light Duty Vehicles (LDA, LDT1, LDT2)

CDFW anticipates 500 more hunters/fisherman per year or approximately an additional 17 hunters each day (34 trips) during the 30 day open season.

34 1020

Bird Watchers/Wildlife Viewers Trips - Off-Site Light Duty Vehicles (LDA, LDT1, LDT2)

Assuming a general 8 month (approximately 240 days assuming 30 days/month) viewing season, the traffic section assumes an additional 2 viewers/day (4 trips/day) generated by increased use.

4 960

Bird Watchers/Wildlife Viewers Trips - Off-Site Light Duty Vehicles (LDA, LDT1, LDT2)

Assuming a general 8 month (approximately 240 days assuming 30 days/month) viewing season, the traffic section assumes an additional 2 viewers/day (4 trips/day) generated by increased use.

4 960

Dog Trainer Trips - Off-Site Light Duty Vehicles (LDA, LDT1, LDT2)

CDFW anticipates 250 more dog trainers per year visiting the site. These trips would generally occur during the 6 month season (September to late February) or 180 day season, the traffic section assumes an additional 1.3 (rounded up to 2 trips) dog trainers/day (4 trips/day) generated by increased use.

4 720

Equestrian User Trips - Off-Site Light Duty Vehicles (LDA, LDT1, LDT2)

CDFW anticipates 100 more equestrian users per year. We can assume that the bulk of the use would occur between February and October (i.e., outside of the open hunting season). Assuming a general 8 month (approximately 240 days assuming 30 days/month) use season, the traffic section assumes an additional 0.41 equestrian user/day (1 trip/day) generated by increased use. Assumed max daily = 2 one way trips.

2 480

Total Visitor trips 48 4140

School Bus Trips (SBUS)

CDFW anticipates 100 more students (we can bump up to 125 if we assume each class of 20 students would also include 1 teach, 3 parent chaperones, and 1 bus driver – just an estimate). I’m assuming that these groups would visit the SJWA via school bus so an additional 5 classes per year amounts to 10 additional trips.

2 20 0.04

Total School Bus trips 2 20 0.04

CO₂-to-CO₂ Equivalent Factors

Source	Units	CO ₂	CH ₄	N ₂ O	CO ₂ /CO ₂ E
Global Warming Potential		1	21	310	
Diesel Trucks	1 g/mi	1,450.00	0.0051	0.0048	1.001
Passenger Vehicles	2 g/mi				1.053

1. California Climate Action Registry. 2009. *General Reporting Protocol: Reporting Entity-Wide Greenhouse Gas Emissions*, Version 3.1, Tables C.3 and C.4.
2. US EPA, Office of Transportation and Air Quality. 2005. *Greenhouse Gas Emissions Typical Passenger Vehicle* (EPA420-F-05-004), p. 4.

APPENDIX 5.3-A-1
Plant Compendium – Davis Unit

APPENDIX 5.3-A-1
Plant Compendium – Davis Unit

VASCULAR SPECIES

FERNS AND FERN ALLIES

AZOLLACEAE—MOSQUITO FERN FAMILY

Azolla filiculoides—Pacific mosquitofern

MARSILEACEAE—MARSILEA FAMILY

Marsilea vestita ssp. *vestita*—hairy waterclover

Pilularia americana—American pillwort

Marsilea vestita—hairy waterclover

PTERIDACEAE—BRAKE FAMILY

Aspidotis californica—California lacefern

Pellaea andromedifolia—coffee cliffbrake

Pellaea mucronata var. *mucronata*—birdfoot cliffbrake

Pentagramma triangularis ssp. *viscosa*—silverback fern

Myriopteris newberryi—Newberry's lip fern

SELAGINELLACEAE—SPIKE-MOSS FAMILY

Selaginella bigelovii—bushy spikemoss

MONOCOTS

ALISMATACEAE—WATER-PLANTAIN FAMILY

Echinodorus berteroi—upright burhead

Sagittaria latifolia—broadleaf arrowhead

ALLIACEAE—ONION FAMILY

Allium praecox—early onion

CYPERACEAE—SEDGE FAMILY

Bolboschoenus robustus—sturdy bulrush

Eleocharis bella—beautiful spikerush

Eleocharis macrostachya—pale spikerush

Schoenoplectus acutus var. *occidentalis*—tule

Schoenoplectus californicus—California bulrush

Schoenoplectus acutus—hardstem bulrush

Bolboschoenus maritimus—no common name

* *Cyperus involucratus*—umbrella plant

APPENDIX 5.3-A-1 (Continued)

IRIDACEAE—IRIS FAMILY

Sisyrinchium bellum—western blue-eyed grass

JUNCACEAE—RUSH FAMILY

Juncus bufonius var. *bufonius*—toad rush

LILIACEAE—LILY FAMILY

Calochortus splendens—splendid mariposa lily

Brodiaea filifolia—thread-leaved brodiaea

POACEAE—GRASS FAMILY

- * *Phalaris minor*—littleseed canarygrass
- Deschampsia danthonioides*—annual hairgrass
- Distichlis spicata*—saltgrass
- Elymus condensatus*—giant wildrye
- Festuca octoflora*—sixweeks fescue
- Hordeum depressum*—dwarf barley
- Leptochloa fusca* ssp. *uninervia*—Mexican sprangletop
- Melica imperfecta*—smallflower melicgrass
- Muhlenbergia rigens*—deergrass
- Sporobolus airoides*—alkali sacaton
- Stipa cernua*—nodding needlegrass
- Stipa coronata*—giant ricegrass
- Stipa pulchra*—purple needlegrass
- * *Avena fatua*—wild oat
- * *Avena sativa*—common oat
- * *Bromus diandrus*—ripgut brome
- * *Bromus hordeaceus*—soft brome
- * *Bromus madritensis* ssp. *rubens*—red brome
- * *Crypsis schoenoides*—swamp pricklegrass
- * *Crypsis vaginiflora*—modest prickle grass
- * *Cynodon dactylon*—Bermudagrass
- * *Echinochloa crus-galli*—barnyardgrass
- * *Festuca myuros*—rat-tail fescue
- * *Hordeum murinum* ssp. *glaucum*—smooth barley
- * *Hordeum murinum* ssp. *leporinum*—hare barley
- * *Hordeum vulgare*—common barley
- * *Lamarckia aurea*—goldentop grass
- * *Polypogon monspeliensis*—annual rabbitsfoot grass
- * *Schismus barbatus*—common Mediterranean grass

APPENDIX 5.3-A-1 (Continued)

* *Setaria verticillata*—hooked bristlegrass

* *Triticum aestivum*—common wheat

Hordeum intercedens—vernal barley

THEMIDACEAE—BRODIAEA FAMILY

Dichelostemma capitatum ssp. *capitatum*—bluedicks

Dichelostemma capitatum—bluedicks

TYPHACEAE—CATTAIL FAMILY

Typha domingensis—southern cattail

Typha latifolia—broadleaf cattail

ZANNICHELLIACEAE—HORNED-PONDWEED FAMILY

Zannichellia palustris—horned pondweed

EUDICOTS

AIZOACEAE—FIG-MARIGOLD FAMILY

* *Mesembryanthemum nodiflorum*—slenderleaf iceplant

AMARANTHACEAE—AMARANTH FAMILY

* *Amaranthus retroflexus*—redroot amaranth

ANACARDIACEAE—SUMAC OR CASHEW FAMILY

Rhus aromatica—skunkbush sumac

* *Schinus molle*—Peruvian peppertree

APIACEAE—CARROT FAMILY

Bowlesia incana—hoary bowlesia

Tauschia arguta—southern umbrellawort

APOCYNACEAE—DOGBANE FAMILY

Funastrum cynanchoides—fringed twinevine

* *Nerium oleander*—oleander

ASTERACEAE—SUNFLOWER FAMILY

* *Sonchus oleraceus*—common sowthistle

Achyrrachaena mollis—blow wives

Acourtia microcephala—sacapellote

Ambrosia confertiflora—weakleaf bur ragweed

Artemisia dracunculus—tarragon

APPENDIX 5.3-A-1 (Continued)

- Baccharis salicina*—willow baccharis
Brickellia californica—California brickellbush
Brickellia desertorum—desert brickellbush
Centromadia pungens—common tarweed
Chaenactis artemisiifolia—white pincushion
Chaenactis glabriuscula var. *glabriuscula*—yellow pincushion
Cirsium occidentale var. *californicum*—cobwebby thistle
Corethrogyne filaginifolia—common sandaster
Deinandra fasciculata—clustered tarweed
Deinandra kelloggii—Kellogg’s tarweed
Ericameria pinifolia—pinebush
Erigeron foliosus var. *foliosus*—leafy fleabane
Gnaphalium palustre—western marsh cudweed
Gutierrezia californica—San Joaquin snakeweed
Hazardia squarrosa var. *grindelioides*—sawtooth bristleweed
Helianthus annuus—common sunflower
Isocoma menziesii var. *vernonioides*—Menzies’ goldenbush
Isocoma menziesii—Menzies’ goldenbush
Laennecia coulteri—Coulter’s horseweed
Lasthenia californica—California goldfields
Lasthenia glabrata ssp. *coulteri*—Coulter’s goldfields
Lasthenia glabrata—yellowray goldfields
Layia platyglossa—coastal tidytips
Microseris douglasii ssp. *douglasii*—Douglas’ silverpuffs
Porophyllum gracile—slender poreleaf
Pseudognaphalium beneolens—Wright’s cudweed
Pseudognaphalium biolettii—two-color rabbit-tobacco
Pseudognaphalium californicum—ladies’ tobacco
Pseudognaphalium canescens—Wright’s cudweed
Psilocarphus brevissimus var. *brevissimus*—short woollyheads
Stebbinsoseris heterocarpa—grassland silverpuffs
Stephanomeria exigua ssp. *deanei*—Deane’s wirelettuce
Stylocline gnaphaloides—mountain neststraw
Tetradymia comosa—hairy horsebrush
Trichocoronis wrightii var. *wrightii*—Wright’s trichocoronis
Xanthium spinosum—spiny cocklebur
Xanthium strumarium—rough cocklebur
Bebbia juncea—sweetbush
* *Anthemis cotula*—stinking chamomile

APPENDIX 5.3-A-1 (Continued)

- * *Artemisia biennis*—biennial wormwood
- * *Centaurea benedicta*—blessed thistle
- * *Cirsium vulgare*—bull thistle
- * *Erigeron bonariensis*—asthmaweed
- * *Hypochaeris glabra*—smooth cat's ear
- * *Lactuca serriola*—prickly lettuce
- * *Matricaria discoidea*—disc mayweed
- * *Sonchus asper*—spiny sowthistle
- * *Sonchus asper* ssp. *asper*—spiny sowthistle
- * *Taraxacum officinale*—common dandelion
- * *Centromadia pungens* ssp. *laevis*—smooth tarplant

BORAGINACEAE—BORAGE FAMILY

- Amsinckia intermedia*—common fiddleneck
- Amsinckia menziesii*—Menzies' fiddleneck
- Cryptantha intermedia*—Clearwater cryptantha
- Eriodictyon crassifolium*—thickleaf yerba santa
- Eucrypta chrysanthemifolia* var. *chrysanthemifolia*—spotted hideseed
- Eucrypta chrysanthemifolia*—spotted hideseed
- Heliotropium curassavicum* var. *oculatum*—seaside heliotrope
- Nemophila menziesii* var. *menziesii*—baby blue eyes
- Pectocarya linearis* ssp. *ferocula*—sagebrush combseed
- Pectocarya peninsularis*—peninsular pectocarya
- Phacelia cicutaria* var. *hispida*—caterpillar phacelia
- Phacelia ciliata*—Great Valley phacelia
- Phacelia longipes*—longstalk phacelia
- Phacelia minor*—wild canterbury bells
- Phacelia parryi*—Parry's phacelia
- Phacelia ramosissima*—branching phacelia
- Plagiobothrys canescens*—valley popcornflower
- Plagiobothrys collinus* var. *gracilis*—Cooper's popcornflower
- Plagiobothrys leptocladus*—finebranched popcornflower
- Plagiobothrys tenellus*—Pacific popcornflower
- Nama stenocarpa*—mud nama

BRASSICACEAE—MUSTARD FAMILY

- Lepidium acutidens*—alkali pepperwort
- Lepidium lasiocarpum* ssp. *lasiocarpum*—shaggyfruit pepperweed
- Nasturtium officinale*—watercress

APPENDIX 5.3-A-1 (Continued)

- * *Brassica rapa*—field mustard
- * *Brassica tournefortii*—Asian mustard
- * *Capsella bursa-pastoris*—shepherd's purse
- * *Descurainia sophia*—herb sophia
- * *Lepidium pinnatifidum*—featherleaf pepperweed
- * *Raphanus sativus*—cultivated radish
- * *Sinapis arvensis*—charlock mustard
- * *Sisymbrium altissimum*—tall tumbled mustard

CACTACEAE—CACTUS FAMILY

Cylindropuntia californica var. *parkeri*—brownspined pricklypear

CAPRIFOLIACEAE—HONEYSUCKLE FAMILY

Lonicera subspicata var. *denudata*—Santa Barbara honeysuckle

CARYOPHYLLACEAE—PINK FAMILY

- Spergularia marina*—salt sandspurry
- * *Spergularia bocconi*—Boccone's sandspurry

CHENOPODIACEAE—GOOSEFOOT FAMILY

- Arthrocnemum subterminale*—Parish's glasswort
- Atriplex argentea*—silverscale saltbush
- Atriplex canescens* var. *canescens*—fourwing saltbush
- Atriplex lentiformis*—big saltbush
- Atriplex serenana* var. *serenana*—bractscale
- Atriplex torreyi* var. *torreyi*—Torrey's saltbush
- Chenopodium californicum*—California goosefoot
- Chenopodium rubrum*—red goosefoot
- Monolepis nuttalliana*—Nuttall's povertyweed
- Suaeda nigra*—Mojave seablite
- * *Atriplex prostrata*—triangle orache
- * *Atriplex semibaccata*—Australian saltbush
- * *Atriplex suberecta*—peregrine saltbush
- * *Bassia hyssopifolia*—fivehorn smotherweed
- * *Beta vulgaris*—common beet
- * *Chenopodium album*—lambsquarters
- * *Chenopodium macrospermum*—largeseed goosefoot
- * *Chenopodium murale*—nettleleaf goosefoot
- * *Kochia scoparia*—no common name
- * *Salsola tragus*—prickly Russian thistle

APPENDIX 5.3-A-1 (Continued)

Atriplex coronata var. *notatior*—San Jacinto Valley crownscale

Atriplex serenana var. *davidsonii*—Davidson’s saltscale

CLEOMACEAE—CLEOME FAMILY

Peritoma arborea—bladderpod spiderflower

CONVOLVULACEAE—MORNING-GLORY FAMILY

Calystegia macrostegia—island false bindweed

Cressa truxillensis—spreading alkaliweed

Cuscuta californica—chaparral dodder

CRASSULACEAE—STONECROP FAMILY

Crassula connata—sand pygmyweed

CUCURBITACEAE—GOURD FAMILY

Marah macrocarpa—Cucamonga manroot

ELATINACEAE—WATERWORT FAMILY

Bergia texana—Texas bergia

EUPHORBIACEAE—SPURGE FAMILY

Croton californicus—California croton

Stillingia linearifolia—queen’s-root

Euphorbia albomarginata—whitemargin sandmat

Croton setiger—dove weed

* *Ricinus communis*—castorbean

FABACEAE—LEGUME FAMILY

Acmispon argophyllus—silver bird’s-foot trefoil

Acmispon glaber—common deerweed

Acmispon micranthus—San Diego bird’s-foot trefoil

Acmispon strigosus—strigose bird’s-foot trefoil

Astragalus didymocarpus—dwarf white milkvetch

Lupinus albifrons—silver lupine

Lupinus bicolor—miniature lupine

Lupinus succulentus—hollowleaf annual lupine

Lupinus truncatus—collared annual lupine

Prosopis glandulosa var. *torreyana*—western honey mesquite

Trifolium depauperatum var. *depauperatum*—cowbag clover

* *Melilotus indicus*—annual yellow sweetclover

* *Parkinsonia aculeata*—Jerusalem thorn

APPENDIX 5.3-A-1 (Continued)

FAGACEAE—OAK FAMILY

Quercus agrifolia var. *agrifolia*—California live oak

FRANKENIACEAE—FRANKENIA FAMILY

Frankenia salina—alkali seaheath

GERANIACEAE—GERANIUM FAMILY

* *Erodium botrys*—longbeak stork's bill

GROSSULARIACEAE—GOOSEBERRY FAMILY

Ribes indecorum—whiteflower currant

LAMIACEAE—MINT FAMILY

Salvia columbariae—chia

Stachys rigida—rough hedgenettle

Trichostema lanceolatum—vinegarweed

LYTHRACEAE—LOOSESTRIFE FAMILY

Ammannia coccinea—valley redstem

Ammannia robusta—grand redstem

MALVACEAE—MALLOW FAMILY

Malacothamnus fasciculatus var. *fasciculatus*—Mendocino bushmallow

Malvella leprosa—alkali mallow

MONTIACEAE—MONTIA FAMILY

Claytonia perfoliata—miner's lettuce

Calandrinia menziesii—red maids

MYRTACEAE—MYRTLE FAMILY

* *Eucalyptus cladocalyx*—sugargum

* *Eucalyptus globulus*—Tasmanian bluegum

NYCTAGINACEAE—FOUR O'CLOCK FAMILY

Abronia villosa var. *villosa*—desert sand verbena

Mirabilis laevis var. *crassifolia*—California four o'clock

OLEACEAE—OLIVE FAMILY

Fraxinus velutina—velvet ash

ONAGRACEAE—EVENING PRIMROSE FAMILY

Camissonia campestris—Mojave suncup

APPENDIX 5.3-A-1 (Continued)

- Camissonia strigulosa*—sandysoil suncup
Epilobium campestre—smooth spike-primrose
Epilobium canum ssp. *canum*—hummingbird trumpet
Epilobium ciliatum—fringed willowherb
* *Ludwigia peploides*—floating primrose-willow

OROBANCHACEAE—BROOM-RAPE FAMILY

- Castilleja exserta* ssp. *exserta*—exserted Indian paintbrush

OXALIDACEAE—OXALIS FAMILY

- Oxalis californica*—California woodsorrel

PAPAVERACEAE—POPPY FAMILY

- Eschscholzia californica*—California poppy

PHRYMACEAE—LOPSEED FAMILY

- Mimulus aurantiacus* var. *pubescens*—orange bush monkeyflower
Mimulus aurantiacus var. *puniceus*—orange bush monkeyflower
Mimulus aurantiacus—orange bush monkeyflower
Mimulus floribundus—manyflowered monkeyflower
Mimulus guttatus—seep monkeyflower

PLANTAGINACEAE—PLANTAIN FAMILY

- Antirrhinum nuttallianum*—violet snapdragon
Keckiella antirrhinoides—snapdragon penstemon
Penstemon spectabilis—showy penstemon
Plantago elongata—prairie plantain
Veronica peregrina ssp. *xalapensis*—hairy purslane speedwell

POLEMONIACEAE—PHLOX FAMILY

- Allophyllum gilioides*—dense false gilyflower
Gilia angelensis—chaparral gilia
Navarretia fossalis—spreading navarretia

POLYGONACEAE—BUCKWHEAT FAMILY

- Eriogonum fasciculatum* var. *fasciculatum*—Eastern Mojave buckwheat
Eriogonum fasciculatum var. *foliolosum*—Eastern Mojave buckwheat
Eriogonum fasciculatum var. *polifolium*—Eastern Mojave buckwheat
Lastarriaea coriacea—leather spineflower
Persicaria lapathifolia—curlytop knotweed
Rumex salicifolius—willow dock

APPENDIX 5.3-A-1 (Continued)

- Eriogonum elongatum*—longstem buckwheat
- * *Polygonum argyrocoleon*—silversheath knotweed
- * *Polygonum aviculare*—prostrate knotweed
- * *Rumex crispus*—curly dock
- * *Rumex pulcher*—fiddle dock

RANUNCULACEAE—BUTTERCUP FAMILY

- Clematis pauciflora*—ropevine clematis
- Delphinium parryi*—San Bernardino larkspur
- Ranunculus sceleratus*—cursed buttercup

ROSACEAE—ROSE FAMILY

- Prunus ilicifolia*—hollyleaf cherry

RUBIACEAE—MADDER FAMILY

- Galium angustifolium*—narrowleaf bedstraw
- Galium aparine*—stickywilly

SALICACEAE—WILLOW FAMILY

- Salix exigua*—narrowleaf willow
- Salix gooddingii*—Goodding's willow
- Salix lasiolepis*—arroyo willow
- Populus fremontii*—Fremont cottonwood

SAXIFRAGACEAE—SAXIFRAGE FAMILY

- Lithophragma affine*—San Francisco woodland-star

SCROPHULARIACEAE—FIGWORT FAMILY

- Scrophularia californica*—California figwort

SOLANACEAE—NIGHTSHADE FAMILY

- Datura wrightii*—sacred thorn-apple
- Nicotiana quadrivalvis*—Indian tobacco
- Petunia parviflora*—seaside petunia
- Solanum americanum*—American black nightshade
- Solanum douglasii*—greenspot nightshade
- Solanum parishii*—Parish's nightshade
- * *Datura stramonium*—jimsonweed
- * *Nicotiana glauca*—tree tobacco

APPENDIX 5.3-A-1 (Continued)

TAMARICACEAE—TAMARISK FAMILY

- * *Tamarix ramosissima*—saltcedar

VERBENACEAE—VERVAIN FAMILY

- Verbena bracteata*—bigbract verbena

ZYGOPHYLLACEAE—CALTROP FAMILY

- * *Tribulus terrestris*—puncturevine

* signifies introduced (non-native) species

APPENDIX 5.3-A-1 (Continued)

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APPENDIX 5.3-A-2
Plant Compendium – Potrero Unit

APPENDIX 5.3-A-2
Plant Compendium – Potrero Unit

VASCULAR SPECIES

MONOCOTS

AGAVACEAE—AGAVE FAMILY

Hesperoyucca whipplei—chaparral yucca

Yucca schidigera—Mojave yucca

LILIACEAE—LILY FAMILY

Allium marvinii—Yucaipa onion

Calochortus plummerae—Plummer's mariposa lily

POACEAE—GRASS FAMILY

- * *Avena barbata*—slender oat
- Bromus grandis*—tall brome
- Poa secunda*—Sandberg bluegrass
- Stipa speciosa*—desert needlegrass
- * *Bromus hordeaceus*—soft brome
- * *Bromus madritensis* ssp. *rubens*—red brome
- * *Bromus tectorum*—cheatgrass
- * *Cortaderia jubata*—purple pampas grass
- * *Festuca myuros*—rat-tail fescue
- * *Festuca perennis*—Italian ryegrass
- * *Hordeum murinum*—mouse barley
- * *Lamarckia aurea*—goldentop grass
- * *Poa annua*—annual bluegrass
- * *Polypogon monspeliensis*—annual rabbitsfoot grass
- * *Schismus barbatus*—common Mediterranean grass

THEMIDACEAE—BRODIAEA FAMILY

Dichelostemma capitatum—bluedicks

EUDICOTS

ADOXACEAE—MUSKROOT FAMILY

Sambucus nigra ssp. *caerulea*—blue elderberry

AMARANTHACEAE—AMARANTH FAMILY

- * *Amaranthus albus*—prostrate pigweed

APPENDIX 5.3-A-2 (Continued)

ANACARDIACEAE—SUMAC OR CASHEW FAMILY

- Rhus integrifolia*—lemonade sumac
- Rhus ovata*—sugar sumac
- Toxicodendron diversilobum*—Pacific poison oak

APIACEAE—CARROT FAMILY

- Lomatium utriculatum*—common lomatium

ASTERACEAE—SUNFLOWER FAMILY

- Ambrosia acanthicarpa*—flatspine bur ragweed
- Artemisia californica*—coastal sagebrush
- Artemisia douglasiana*—Douglas' sagewort
- Baccharis pilularis*—coyotebrush
- Centromadia pungens* ssp. *laevis*—smooth tarplant
- Centromadia pungens* ssp. *pungens*—common tarweed
- Corethrogyne filaginifolia*—common sandaster
- Deinandra kelloggii*—Kellogg's tarweed
- Encelia farinosa*—brittlebush
- Ericameria palmeri* var. *pachylepis*—Palmer's rabbitbrush
- Erigeron canadensis*—Canadian horseweed
- Erigeron foliosus*—leafy fleabane
- Eriophyllum confertiflorum*—golden-yarrow
- Gutierrezia californica*—San Joaquin snakeweed
- Helianthus annuus*—common sunflower
- Heterotheca grandiflora*—telegraphweed
- Isocoma menziesii*—Menzies' goldenbush
- Lepidospartum squamatum*—California broomsage
- Malacothrix saxatilis* var. *tenuifolia*—cliff deserdandelion
- Stephanomeria exigua*—small wirelettuce
- Tetradymia comosa*—hairy horsebrush
- Baccharis salicifolia*—mulefat
- * *Centaurea melitensis*—Maltese star-thistle
- * *Cotula coronopifolia*—common brassbuttons
- * *Logfia gallica*—narrowleaf cottonrose
- * *Senecio vulgaris*—old-man-in-the-Spring

BORAGINACEAE—BORAGE FAMILY

- Amsinckia menziesii*—Menzies' fiddleneck
- Emmenanthe penduliflora*—whisperingbells
- Eriodictyon trichocalyx* var. *trichocalyx*—hairy yerba santa

APPENDIX 5.3-A-2 (Continued)

Phacelia cicutaria—caterpillar phacelia
Phacelia distans—distant phacelia
Heliotropium curassavicum—salt heliotrope
Plagiobothrys fulvus—fulvous popcornflower

BRASSICACEAE—MUSTARD FAMILY

- * *Sisymbrium irio*—London rocket
- Descurainia pinnata*—western tansymustard
- Lepidium nitidum*—shining pepperweed
- * *Brassica nigra*—black mustard
- * *Hirschfeldia incana*—shortpod mustard
- * *Sisymbrium orientale*—Indian hedgemustard

CACTACEAE—CACTUS FAMILY

Cylindropuntia californica—California cholla
Opuntia littoralis—coastal pricklypear

CAPRIFOLIACEAE—HONEYSUCKLE FAMILY

Symphoricarpos mollis—creeping snowberry

CHENOPODIACEAE—GOOSEFOOT FAMILY

- Atriplex canescens*—fourwing saltbush
- * *Atriplex rosea*—tumbling saltweed
 - * *Salsola tragus*—prickly Russian thistle

CONVOLVULACEAE—MORNING-GLORY FAMILY

- * *Convolvulus arvensis*—field bindweed

CRASSULACEAE—STONECROP FAMILY

Dudleya lanceolata—lanceleaf liveforever
Dudleya pulverulenta—chalk dudleya

CUCURBITACEAE—GOURD FAMILY

Cucurbita foetidissima—Missouri gourd

EUPHORBIACEAE—SPURGE FAMILY

Croton californicus—California croton
Euphorbia polycarpa—smallseed sandmat
Croton setiger—dove weed

APPENDIX 5.3-A-2 (Continued)

FABACEAE—LEGUME FAMILY

- Acemison glaber* var. *glaber*—common deerweed
- Lathyrus vestitus*—Pacific pea
- Lupinus hirsutissimus*—stinging annual lupine
- * *Medicago polymorpha*—burclover
- Astragalus pachypus* var. *jaegeri*—Jaeger’s bush milk-vetch

FAGACEAE—OAK FAMILY

- Quercus agrifolia*—California live oak
- Quercus berberidifolia*—scrub oak
- Quercus engelmannii*—Engelmann oak

GERANIACEAE—GERANIUM FAMILY

- * *Erodium cicutarium*—redstem stork’s bill

LAMIACEAE—MINT FAMILY

- Salvia apiana*—white sage
- Salvia columbariae*—chia
- Salvia mellifera*—black sage
- * *Marrubium vulgare*—horehound

MALVACEAE—MALLOW FAMILY

- Malacothamnus fasciculatus* var. *fasciculatus*—Mendocino bushmallow
- * *Malva parviflora*—cheeseweed mallow

OLEACEAE—OLIVE FAMILY

- * *Olea europaea*—olive

ONAGRACEAE—EVENING PRIMROSE FAMILY

- Camissoniopsis bistorta*—southern suncup
- Eulobus californicus*—California suncup

PHRYMACEAE—LOPSEED FAMILY

- Mimulus aurantiacus*—orange bush monkeyflower

PLANTAGINACEAE—PLANTAIN FAMILY

- Keckiella antirrhinoides* var. *antirrhinoides*—snapdragon penstemon
- * *Plantago major*—common plantain

PLATANACEAE—PLANE TREE, SYCAMORE FAMILY

- Platanus racemosa*—California sycamore

APPENDIX 5.3-A-2 (Continued)

POLEMONIACEAE—PHLOX FAMILY

Gilia capitata—bluehead gilia

POLYGONACEAE—BUCKWHEAT FAMILY

Chorizanthe parryi var. *parryi*—Parry's spineflower

Eriogonum fasciculatum var. *foliolosum*—Eastern Mojave buckwheat

Eriogonum nudum—naked buckwheat

Eriogonum wrightii var. *subscaposum*—bastardsage

Eriogonum elongatum—longstem buckwheat

* *Rumex crispus*—curly dock

RHAMNACEAE—BUCKTHORN FAMILY

Ceanothus crassifolius—hoaryleaf ceanothus

Rhamnus crocea—redberry buckthorn

ROSACEAE—ROSE FAMILY

Adenostoma fasciculatum—chamise

Cercocarpus betuloides var. *betuloides*—birchleaf mountain mahogany

Heteromeles arbutifolia—toyon

Prunus ilicifolia ssp. *ilicifolia*—hollyleaf cherry

RUBIACEAE—MADDER FAMILY

Galium angustifolium—narrowleaf bedstraw

Galium aparine—stickywilly

SALICACEAE—WILLOW FAMILY

Salix exigua—narrowleaf willow

Salix gooddingii—Goodding's willow

Salix laevigata—red willow

Salix lasiolepis—arroyo willow

Populus fremontii—Fremont cottonwood

SCROPHULARIACEAE—FIGWORT FAMILY

Scrophularia californica—California figwort

SOLANACEAE—NIGHTSHADE FAMILY

Datura wrightii—sacred thorn-apple

Nicotiana quadrivalvis—Indian tobacco

* *Nicotiana glauca*—tree tobacco

APPENDIX 5.3-A-2 (Continued)

TAMARICACEAE—TAMARISK FAMILY

- * *Tamarix ramosissima*—saltcedar

URTICACEAE—NETTLE FAMILY

- * *Urtica urens*—dwarf nettle

* signifies introduced (non-native) species

APPENDIX 5.3-B-1
Wildlife Compendium – Davis Unit

APPENDIX 5.3-B-1
Wildlife Compendium – Davis Unit

AMPHIBIAN

FROGS

RANIDAE—TONGUELESS FROGS

* *Lithobates catesbeianus*—American bullfrog

HYLIDAE—TREEFROGS

Pseudacris cadaverina—California treefrog

Pseudacris hypochondriaca—Baja California treefrog

SALAMANDERS

PLETHODONTIDAE—LUNGLESS SALAMANDERS

Batrachoseps major major—garden slender salamander

Batrachoseps pacificus—Channel Islands slender salamander

TOADS

BUFONIDAE—TRUE TOADS

Anaxyrus boreas—western toad

PELOBATIDAE—SPADEFEET

Spea hammondi—western spadefoot

BIRD

BLACKBIRDS, ORIOLES AND ALLIES

ICTERIDAE—BLACKBIRDS

Agelaius phoeniceus—red-winged blackbird

Agelaius tricolor—tricolored blackbird

Euphagus cyanocephalus—Brewer's blackbird

Icterus bullockii—Bullock's oriole

Icterus parisorum—Scott's oriole

Quiscalus mexicanus—great-tailed grackle

Sturnella neglecta—western meadowlark

* *Molothrus ater*—brown-headed cowbird

Icterus cucullatus—hooded oriole

Icterus galbul—Baltimore oriole

Xanthocephalus xanthocephalus—yellow-headed blackbird

APPENDIX 5.3-B-1 (Continued)

BUSHTITS

AEGITHALIDAE—LONG-TAILED TITS AND BUSHTITS

Psaltriparus minimus—bushtit

CARDINALS, GROSBEEKS AND ALLIES

CARDINALIDAE—CARDINALS AND ALLIES

Passerina amoena—Lazuli bunting

Piranga ludoviciana—western tanager

Passerina caerulea—blue grosbeak

Pheucticus melanocephalus—black-headed grosbeak

CORMORANTS

PHALACROCORACIDAE—CORMORANTS

Phalacrocorax auritus—double-crested cormorant

EMBERIZINES

EMBERIZIDAE—EMBERIZIDS

Ammodramus savannarum—grasshopper sparrow

Chondestes grammacus—lark sparrow

Melospiza lincolnii—Lincoln's sparrow

Melospiza melodia—song sparrow

Melospiza crissalis—California towhee

Passerculus sandwichensis—savannah sparrow

Passerella iliaca—fox sparrow

Pipilo maculatus—spotted towhee

Pooecetes gramineus—vesper sparrow

Spizella atrogularis—black-chinned sparrow

Spizella breweri—Brewer's sparrow

Aimophila ruficeps canescens—Southern California rufous-crowned sparrow

Spizella passerina—chipping sparrow

Artemisiospiza belli—Bell's sparrow

Aimophila ruficeps—rufous-crowned sparrow

Junco hyemalis—dark-eyed junco

Calamospiza melanocorys—Lark bunting

Melospiza georgiana—Swamp sparrow

Melospiza fusca—Canyon towhee

Zonotrichia atricapilla—golden-crowned sparrow

APPENDIX 5.3-B-1 (Continued)

Zonotrichia leucophrys—white-crowned sparrow

FALCONS

FALCONIDAE—CARACARAS AND FALCONS

Falco columbarius—merlin

Falco mexicanus—prairie falcon

Falco peregrinus anatum—American peregrine falcon

Falco sparverius—American kestrel

FINCHES

FRINGILLIDAE—FRINGILLINE AND CARDUELINE FINCHES AND ALLIES

Spinus pinus—pine siskin

Spinus psaltria—lesser goldfinch

Spinus tristis—American goldfinch

Spinus lawrencei—Lawrence's goldfinch

Haemorhous mexicanus—house finch

FLYCATCHERS

TYRANNIDAE—TYRANT FLYCATCHERS

Contopus cooperi—olive-sided flycatcher

Contopus sordidulus—western wood-pewee

Empidonax traillii extimus—southwestern willow flycatcher

Myiarchus cinerascens—ash-throated flycatcher

Pyrocephalus rubinus—vermillion flycatcher

Sayornis nigricans—black phoebe

Sayornis saya—Say's phoebe

Tyrannus verticalis—western kingbird

Tyrannus vociferans—Cassin's kingbird

Empidonax traillii—willow flycatcher

Empidonax hammondii—Hammond's flycatcher

Empidonax difficilis—Pacific-slope flycatcher

GREBES

PODICIPEDIDAE—GREBES

Aechmophorus occidentalis—western grebe

Podiceps nigricollis—eared grebe

Podilymbus podiceps—pied-billed grebe

APPENDIX 5.3-B-1 (Continued)

Aechmophorus clarkii—Clark's grebe

HAWKS

ACCIPITRIDAE—HAWKS, KITES, EAGLES, AND ALLIES

Accipiter cooperii—Cooper's hawk

Accipiter striatus—sharp-shinned hawk

Aquila chrysaetos—golden eagle

Buteo jamaicensis—red-tailed hawk

Buteo lineatus—red-shouldered hawk

Buteo regalis—ferruginous hawk

Buteo swainsoni—Swainson's hawk

Circus cyaneus—northern harrier

Elanus leucurus—white-tailed kite

Haliaeetus leucocephalus—bald eagle

Pandion haliaetus—osprey

Buteo lagopus—Rough-legged hawk

HERONS AND BITTERNS

ARDEIDAE—HERONS, BITTERNS, AND ALLIES

Ardea alba—great egret

Ardea herodias—great blue heron

Botaurus lentiginosus—American bittern

Bubulcus ibis—cattle egret

Butorides virescens—green heron

Egretta thula—snowy egret

Nycticorax nycticorax—black-crowned night-heron

HUMMINGBIRDS

TROCHILIDAE—HUMMINGBIRDS

Archilochus alexandri—black-chinned hummingbird

Calypte anna—Anna's hummingbird

Calypte costae—Costa's hummingbird

Selasphorus rufus—rufous hummingbird

Selasphorus sasin—Allen's hummingbird

APPENDIX 5.3-B-1 (Continued)

IBISES AND SPOONBILLS

THRESKIORNITHIDAE—IBISES AND SPOONBILLS

Plegadis chihi—white-faced ibis

JAYS, MAGPIES AND CROWS

CORVIDAE—CROWS AND JAYS

Aphelocoma californica—western scrub-jay

Corvus brachyrhynchos—American crow

Corvus corax—common raven

KINGFISHERS

ALCEDINIDAE—KINGFISHERS

Megaceryle alcyon—belted kingfisher

KINGLETS

REGULIDAE—KINGLETS

Regulus calendula—ruby-crowned kinglet

LARKS

ALAUDIDAE—LARKS

Eremophila alpestris actia—California horned lark

MOCKINGBIRDS AND THRASHERS

MIMIDAE—MOCKINGBIRDS AND THRASHERS

Mimus polyglottos—northern mockingbird

Oreoscoptes montanus—sage thrasher

Toxostoma redivivum—California thrasher

Toxostoma bendirei—Bendire's thrasher

NEW WORLD QUAIL

ODONTOPHORIDAE—NEW WORLD QUAIL

Callipepla californica—California quail

APPENDIX 5.3-B-1 (Continued)

NEW WORLD VULTURES

CATHARTIDAE—CARDINALS AND ALLIES

Cathartes aura—turkey vulture

NUTHATCHES

SITTIDAE—NUTHATCHES

Sitta carolinensis—white-breasted nuthatch

OLD WORLD SPARROWS

PASSERIDAE—OLD WORLD SPARROWS

* *Passer domesticus*—house sparrow

OLD WORLD WARBLERS AND GNATCATCHERS

SYLVIIDAE—SYLVIID WARBLERS

Polioptila caerulea—blue-gray gnatcatcher

Polioptila californica californica—coastal California gnatcatcher

OWLS

TYTONIDAE—BARN OWLS

Tyto alba—barn owl

STRIGIDAE—TYPICAL OWLS

Asio flammeus—short-eared owl

Asio otus—long-eared owl

Athene cunicularia—burrowing owl

Bubo virginianus—great horned owl

PELICANS

PELECANIDAE—PELICANS

Pelecanus occidentalis—brown pelican

Pelecanus erythrorhynchos—American white pelican

PIGEONS AND DOVES

COLUMBIDAE—PIGEONS AND DOVES

Columbina passerina—common ground-dove

APPENDIX 5.3-B-1 (Continued)

- Streptopelia chinensis*—spotted dove
Zenaida macroura—mourning dove
* *Columba livia*—rock pigeon (rock dove)
* *Streptopelia decaocto*—Eurasian collared-dove

QUAILS, PHEASANTS AND RELATIVES

PHASIANIDAE—PARTRIGES, GROUSE, TURKEYS, AND OLD WORLD QUAIL

Phasianus colchicus—Ring-necked pheasant

RAILS, GALLINULES AND COOTS

RALLIDAE—RAILS, GALLINULES, AND COOTS

Fulica americana—American coot
Porzana carolina—sora
Rallus limicola—Virginia rail
Gallinula chloropus—common moorhen

ROADRUNNERS AND CUCKOOS

CUCULIDAE—CUCKOOS, ROADRUNNERS, AND ANIS

Geococcyx californianus—greater roadrunner

SHOREBIRDS

RECURVIROSTRIDAE—STILTS AND AVOCETS

Himantopus mexicanus—black-necked stilt
Recurvirostra americana—American avocet

CHARADRIIDAE—LAPWINGS AND PLOVERS

Charadrius montanus—mountain plover
Charadrius semipalmatus—semipalmated plover
Charadrius vociferus—killdeer
Pluvialis squatarola—black-bellied plover

SCOLOPACIDAE—SANDPIPERS, PHALAROPES, AND ALLIES

Actitis macularius—spotted sandpiper
Calidris alpina—dunlin
Calidris mauri—western sandpiper
Calidris minutilla—least sandpiper
Gallinago delicata—Wilson's snipe

APPENDIX 5.3-B-1 (Continued)

Limnodromus griseus—short-billed dowitcher
Limnodromus scolopaceus—long-billed dowitcher
Numenius americanus—long-billed curlew
Numenius phaeopus—whimbrel
Phalaropus lobatus—red-necked phalarope
Phalaropus tricolor—Wilson’s phalarope
Tringa melanoleuca—greater yellowlegs
Tringa semipalmata—willet
Tringa flavipes—lesser yellowlegs
Calidris bairdii—Baird’s sandpiper
Calidris himantopus—Stilt sandpiper
Gallinago gallinago—common snipe
Tringa solitaria—Solitary sandpiper

SHRIKES

LANIIDAE—SHRIKES

Lanius ludovicianus—loggerhead shrike

SILKY FLYCATCHERS

PTILOGONATIDAE—SILKY-FLYCATCHERS

Phainopepla nitens—phainopepla

STARLINGS AND ALLIES

STURNIDAE—STARLINGS

* *Sturnus vulgaris*—European starling

SWALLOWS

HIRUNDINIDAE—SWALLOWS

Hirundo rustica—barn swallow
Petrochelidon pyrrhonota—cliff swallow
Progne subis—purple martin
Stelgidopteryx serripennis—northern rough-winged swallow
Tachycineta bicolor—tree swallow
Tachycineta thalassina—violet-green swallow
Riparia riparia—bank swallow

APPENDIX 5.3-B-1 (Continued)

SWIFTS

APODIDAE—SWIFTS

Aeronautes saxatalis—white-throated swift

Chaetura vauxi—Vaux's swift

Cypseloides niger—black swift

TERNs AND GULLS

LARIDAE—GULLS, TERNS, AND SKIMMERS

Chroicocephalus philadelphia—Bonaparte's gull

Larus californicus—California gull

Larus delawarensis—ring-billed gull

Sterna forsteri—Forster's tern

Hydroprogne caspia—Caspian tern

Larus pipixcan—Franklin's gull

THRUSHES

TURDIDAE—THRUSHES

Catharus guttatus—hermit thrush

Catharus ustulatus—Swainson's thrush

Ixoreus naevius—varied thrush

Sialia currucoides—mountain bluebird

Sialia mexicana—western bluebird

Turdus migratorius—American robin

TURTLES

Chelydra serpentina—snapping turtle

VIREOS

VIREONIDAE—VIREOS

Vireo bellii pusillus—least Bell's vireo

Vireo cassinii—Cassin's vireo

Vireo huttoni—Hutton's vireo

WAGTAILS AND PIPITS

MOTACILLIDAE—WAGTAILS AND PIPITS

Anthus rubescens—American pipit

APPENDIX 5.3-B-1 (Continued)

WATERFOWL

ANATIDAE—DUCKS, GEESE, AND SWANS

- Aix sponsa*—wood duck
- Anas acuta*—northern pintail
- Anas americana*—American wigeon
- Anas clypeata*—northern shoveler
- Anas cyanoptera*—cinnamon teal
- Anas discors*—blue-winged teal
- Anas platyrhynchos*—mallard
- Anas strepera*—gadwall
- Aythya affinis*—lesser scaup
- Aythya americana*—redhead
- Branta bernicla*—brant
- Branta canadensis*—Canada goose
- Bucephala albeola*—bufflehead
- Bucephala clangula*—common goldeneye
- Mergus merganser*—common merganser
- Oxyura jamaicensis*—ruddy duck
- Aythya valisineria*—canvasback
- Aythya marila*—greater scaup
- Aythya collaris*—ring necked duck
- Anas crecca*—green-winged teal
- Anas penelope*—Eurasian widgeon
- Anser albifrons*—greater white-fronted goose
- Chen caerulescens*—snow goose
- Cygnus columbianus*—Tundra swan

WAXWINGS

BOMBYCILLIDAE—WAXWINGS

- Bombcilla cedrorum*—cedar waxwing

WOOD WARBLERS AND ALLIES

PARULIDAE—WOOD-WARBLERS

- Geothlypis trichas*—common yellowthroat
- Icteria virens*—yellow-breasted chat
- Oreothlypis ruficapilla*—Nashville warbler
- Setophaga nigrescens*—black-throated gray warbler

APPENDIX 5.3-B-1 (Continued)

Setophaga occidentalis—hermit warbler
Oreothlypis celata—orange-crowned warbler
Cardellina pusilla—Wilson’s warbler
Setophaga coronata—yellow-rumped warbler
Setophaga petechia—yellow warbler
Setophaga townsendi—Townsend’s warbler
Geothlypis tolmiei—MacGillivray’s warbler

WOODPECKERS

PICIDAE—WOODPECKERS AND ALLIES

Melanerpes formicivorus—Acorn woodpecker
Picoides nuttallii—Nuttall’s woodpecker
Picoides pubescens—downy woodpecker
Picoides villosus—hairy woodpecker
Colaptes auratus—northern flicker

WRENS

TROGLODYTIDAE—WRENS

Catherpes mexicanus—canyon wren
Cistothorus palustris—marsh wren
Salpinctes obsoletus—rock wren
Thryomanes bewickii—Bewick’s wren
Troglodytes aedon—house wren
Campylorhynchus brunneicapillus—cactus wren

CALCARIIDAE—LONGSPURS AND SNOW BUNTINGS

Calcarius lapponicus—Lapland longspur
Calcarius mccownii—McCown’s longspur
Calcarius ornatus—Chestnut-collared longspur

LOONS

GAVIIDAE—LOONS

Gavia immer—Common loon

APPENDIX 5.3-B-1 (Continued)

FISH

NORTH AMERICAN FRESHWATER CATFISHES

ICTALURIDAE—CATFISH

Ameiurus melas—Black bullhead

OTHER BONY FISHES

POECILIIDAE—POECILIIDS

* *Gambusia affinis*—mosquitofish

INVERTEBRATE

BUTTERFLIES

NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES

Junonia coenia—common buckeye

Vanessa cardui—painted lady

HESPERIIDAE—SKIPPERS

Heliopetes ericetorum—northern white-skipper

PIERIDAE—WHITES & SULFURS

Pieris rapae—cabbage white

CRAYFISH

CAMBARIDAE—FRESHWATER CRAYFISH

Procambarus clarkii—Red swamp crawfish

FAIRY SHRIMP

BRANCHINECTIDAE—FAIRY SHRIMP

Branchinecta lindahli—versatile fairy shrimp

Branchinecta lynchi—vernal pool fairy shrimp

APPENDIX 5.3-B-1 (Continued)

MAMMAL

BATS

MOLOSSIDAE—FREE-TAILED BATS

Eumops perotis californicus—western mastiff bat

CANIDS

CANIDAE—WOLVES AND FOXES

Canis latrans—coyote

Urocyon cinereoargenteus—gray fox

CATS

FELIDAE—CATS

Lynx rufus—bobcat

Puma concolor—cougar

DOMESTIC

FELIDAE—CATS

* *Felis catus*—domestic cat

HARES AND RABBITS

LEPORIDAE—HARES AND RABBITS

Lepus californicus bennettii—San Diego black-tailed jackrabbit

Sylvilagus audubonii—desert cottontail

Sylvilagus bachmani—brush rabbit

Lepus californicus—black-tailed jackrabbit

KANGAROO RATS

HETEROMYIDAE—POCKET MICE AND KANGAROO RATS

Dipodomys agilis—agile kangaroo rat

Dipodomys merriami parvus—San Bernardino kangaroo rat

Dipodomys simulans—Dulzura kangaroo rat

Dipodomys stephensi—Stephens' kangaroo rat

APPENDIX 5.3-B-1 (Continued)

MUSTELIDS

MUSTELIDAE—WEASELS, SKUNKS, AND OTTERS

Mustela frenata—long-tailed weasel

Taxidea taxus—American badger

MEPHITIDAE—SKUNKS

Mephitis mephitis—striped skunk

OPOSSUMS

DIDELPHIDAE—NEW WORLD OPOSSUMS

* *Didelphis virginiana*—Virginia opossum

POCKET GOPHERS

GEOMYIDAE—POCKET GOPHERS

Thomomys bottae—Botta's pocket gopher

POCKET MICE

HETEROMYIDAE—POCKET MICE AND KANGAROO RATS

Chaetodipus californicus—California pocket mouse

Chaetodipus fallax fallax—northwestern San Diego pocket mouse

Chaetodipus fallax—San Diego pocket mouse

Perognathus longimembris brevinasus—Los Angeles pocket mouse

Perognathus longimembris—little pocket mouse

RACCOONS

PROCYONIDAE—RACCOONS AND RELATIVES

Procyon lotor—raccoon

RATS AND MICE

MURIDAE—RATS AND MICE

Neotoma bryanti intermedia—Bryant's woodrat

Neotoma lepida intermedia—San Diego desert woodrat

Neotoma lepida—desert woodrat

Peromyscus eremicus—cactus deer mouse

Peromyscus maniculatus—North American deer mouse

Reithrodontomys megalotis—western harvest mouse

APPENDIX 5.3-B-1 (Continued)

* *Mus musculus*—house mouse

SHREWS

SORICIDAE—SHREWS

Notiosorex crawfordi—Crawford's gray shrew

SQUIRRELS

SCIURIDAE—SQUIRRELS

Spermophilus (Otospermophilus) beecheyi—California ground squirrel

UNGULATES

CERVIDAE—DEERS

Odocoileus hemionus—mule deer

SUIDAE—PIGS

* *Sus scrofa*—wild boar

VOLES

MURIDAE—RATS AND MICE

Microtus californicus—California vole

REPTILE

LIZARDS

PHRYNOSOMATIDAE—IGUANID LIZARDS

Sceloporus occidentalis—western fence lizard

Sceloporus orcutti—granite spiny lizard

Uta stansburiana—common side-blotched lizard

ANGUIDAE—ALLIGATOR LIZARDS

Elgaria multicarinata—southern alligator lizard

SCINCIDAE—SKINKS

Plestiodon skiltonianus—western skink

TEIIDAE—WHIPTAIL LIZARDS

Aspidoscelis hyperythra beldingi—Belding's orange-throated whiptail

Aspidoscelis tigris stejnegeri—San Diegan tiger whiptail

APPENDIX 5.3-B-1 (Continued)

XANTUSIIDAE—NIGHT LIZARDS

Xantusia henshawi—granite night lizard

SNAKES

COLUBRIDAE—COLUBRID SNAKES

Arizona elegans—glossy snake

Coluber lateralis—striped racer

Coluber flagellum—coachwhip

Pituophis catenifer annectens—San Diego gopher snake

Lampropeltis californiae—California kingsnake

Rhinocheilus lecontei—long-nosed snake

Thamnophis couchii—Sierra gartersnake

Trimorphodon lyrophanes—California lyresnake

Hypsiglena chlorophaea—desert nightsnake

BOIDAE—BOAS

Lichanura orcutti—northern three-lined boa

Lichanura trivirgata—rosy boa

VIPERIDAE—VIPERS

Crotalus oreganus helleri—Southern pacific rattlesnake

Crotalus ruber—red diamondback rattlesnake

TURTLES

EMYDIDAE—BOX AND WATER TURTLES

Actinemys marmorata—western pond turtle

* *Trachemys scripta*—pond slider

* signifies introduced (non-native) species

APPENDIX 5.3-B-2

Wildlife Compendium – Potrero Unit

APPENDIX 5.3-B-2
Wildlife Compendium – Potrero Unit

AMPHIBIAN

FROGS

HYLIDAE—TREEFROGS

Pseudacris hypochondriaca—Baja California treefrog

TOADS

BUFONIDAE—TRUE TOADS

Anaxyrus boreas—western toad

PELOBATIDAE—SPADEFEETS

Spea hammondi—western spadefoot

BIRD

BLACKBIRDS, ORIOLES AND ALLIES

ICTERIDAE—BLACKBIRDS

Agelaius phoeniceus—red-winged blackbird

Agelaius tricolor—tricolored blackbird

Euphagus cyanocephalus—Brewer's blackbird

Icterus bullockii—Bullock's oriole

Sturnella neglecta—western meadowlark

* *Molothrus ater*—brown-headed cowbird

Icterus cucullatus—hooded oriole

BUSHTITS

AEGITHALIDAE—LONG-TAILED TITS AND BUSHTITS

Psaltriparus minimus—bushtit

CARDINALS, GROSBEAKS AND ALLIES

CARDINALIDAE—CARDINALS AND ALLIES

Passerina amoena—Lazuli bunting

Piranga ludoviciana—western tanager

Passerina caerulea—blue grosbeak

Pheucticus melanocephalus—black-headed grosbeak

APPENDIX 5.3-B-2 (Continued)

CORMORANTS

PHALACROCORACIDAE—CORMORANTS

Phalacrocorax auritus—double-crested cormorant

EMBERIZINES

EMBERIZIDAE—EMBERIZIDS

Aimophila cassinii—Cassin's sparrow

Ammodramus savannarum—grasshopper sparrow

Chondestes grammacus—lark sparrow

Melospiza lincolni—Lincoln's sparrow

Melospiza melodia—song sparrow

Melospiza crissalis—California towhee

Passerculus sandwichensis—savannah sparrow

Pipilo maculatus—spotted towhee

Pooecetes gramineus—vesper sparrow

Spizella atrogularis—black-chinned sparrow

Spizella breweri—Brewer's sparrow

Spizella passerina—chipping sparrow

Aimophila ruficeps canescens—Southern California rufous-crowned sparrow

Artemisiospiza belli—Bell's sparrow

Artemisiospiza nevadensis—sagebrush sparrow

Aimophila ruficeps—rufous-crowned sparrow

Junco hyemalis—dark-eyed junco

Zonotrichia leucophrys—white-crowned sparrow

FALCONS

FALCONIDAE—CARACARAS AND FALCONS

Falco columbarius—merlin

Falco mexicanus—prairie falcon

Falco peregrinus anatum—American peregrine falcon

Falco sparverius—American kestrel

FINCHES

FRINGILLIDAE—FRINGILLINE AND CARDUELINE FINCHES AND ALLIES

Spinus psaltria—lesser goldfinch

Spinus tristis—American goldfinch

Spinus lawrencei—Lawrence's goldfinch

APPENDIX 5.3-B-2 (Continued)

Haemorhous mexicanus—house finch

FLYCATCHERS

TYRANNIDAE—TYRANT FLYCATCHERS

Contopus sordidulus—western wood-pewee

Empidonax traillii extimus—southwestern willow flycatcher

Myiarchus cinerascens—ash-throated flycatcher

Sayornis nigricans—black phoebe

Sayornis saya—Say's phoebe

Tyrannus verticalis—western kingbird

Tyrannus vociferans—Cassin's kingbird

Empidonax difficilis—Pacific-slope flycatcher

GOATSUCKERS

CAPRIMULGIDAE—GOATSUCKERS

Phalaenoptilus nuttallii—common poorwill

HAWKS

ACCIPITRIDAE—HAWKS, KITES, EAGLES, AND ALLIES

Accipiter cooperii—Cooper's hawk

Accipiter striatus—sharp-shinned hawk

Aquila chrysaetos—golden eagle

Buteo jamaicensis—red-tailed hawk

Buteo lineatus—red-shouldered hawk

Buteo regalis—ferruginous hawk

Circus cyaneus—northern harrier

Elanus leucurus—white-tailed kite

HUMMINGBIRDS

TROCHILIDAE—HUMMINGBIRDS

Archilochus alexandri—black-chinned hummingbird

Calypte anna—Anna's hummingbird

Calypte costae—Costa's hummingbird

APPENDIX 5.3-B-2 (Continued)

JAYS, MAGPIES AND CROWS

CORVIDAE—CROWS AND JAYS

Aphelocoma californica—western scrub-jay

Corvus brachyrhynchos—American crow

Corvus corax—common raven

KINGLETS

REGULIDAE—KINGLETS

Regulus calendula—ruby-crowned kinglet

LARKS

ALAUDIDAE—LARKS

Eremophila alpestris actia—California horned lark

MOCKINGBIRDS AND THRASHERS

MIMIDAE—MOCKINGBIRDS AND THRASHERS

Mimus polyglottos—northern mockingbird

Oreoscoptes montanus—sage thrasher

Toxostoma redivivum—California thrasher

NEW WORLD QUAIL

ODONTOPHORIDAE—NEW WORLD QUAIL

Callipepla californica—California quail

NEW WORLD VULTURES

CATHARTIDAE—CARDINALS AND ALLIES

Cathartes aura—turkey vulture

NUTHATCHES

SITTIDAE—NUTHATCHES

Sitta carolinensis—white-breasted nuthatch

OLD WORLD WARBLERS AND GNATCATCHERS

SYLVIIDAE—SYLVIID WARBLERS

Poliophtila caerulea—blue-gray gnatcatcher

APPENDIX 5.3-B-2 (Continued)

Polioptila californica californica—coastal California gnatcatcher

OWLS

TYTONIDAE—BARN OWLS

Tyto alba—barn owl

STRIGIDAE—TYPICAL OWLS

Athene cunicularia—burrowing owl

Bubo virginianus—great horned owl

PIGEONS AND DOVES

COLUMBIDAE—PIGEONS AND DOVES

Columbina passerina—common ground-dove

Zenaida asiatica—white-winged dove

Zenaida macroura—mourning dove

* *Columba livia*—rock pigeon (rock dove)

RAILS, GALLINULES AND COOTS

RALLIDAE—RAILS, GALLINULES, AND COOTS

Fulica americana—American coot

ROADRUNNERS AND CUCKOOS

CUCULIDAE—CUCKOOS, ROADRUNNERS, AND ANIS

Geococcyx californianus—greater roadrunner

SHRIKES

LANIIDAE—SHRIKES

Lanius ludovicianus—loggerhead shrike

SILKY FLYCATCHERS

PTILOGONATIDAE—SILKY-FLYCATCHERS

Phainopepla nitens—phainopepla

STARLINGS AND ALLIES

STURNIDAE—STARLINGS

* *Sturnus vulgaris*—European starling

APPENDIX 5.3-B-2 (Continued)

SWALLOWS

HIRUNDINIDAE—SWALLOWS

- Petrochelidon pyrrhonota*—cliff swallow
- Stelgidopteryx serripennis*—northern rough-winged swallow
- Tachycineta bicolor*—tree swallow
- Tachycineta thalassina*—violet-green swallow

THRUSHES

TURDIDAE—THRUSHES

- Catharus guttatus*—hermit thrush
- Catharus ustulatus*—Swainson's thrush
- Sialia currucoides*—mountain bluebird
- Sialia mexicana*—western bluebird

TITMICE

PARIDAE—CHICKADEES AND TITMICE

- Baeolophus inornatus*—oak titmouse

VIREOS

VIREONIDAE—VIREOS

- Vireo bellii pusillus*—least Bell's vireo
- Vireo gilvus*—warbling vireo
- Vireo huttoni*—Hutton's vireo

WAGTAILS AND PIPITS

MOTACILLIDAE—WAGTAILS AND PIPITS

- Anthus rubescens*—American pipit

WATERFOWL

ANATIDAE—DUCKS, GEESE, AND SWANS

- Bucephala clangula*—common goldeneye

WOOD WARBLERS AND ALLIES

PARULIDAE—WOOD-WARBLERS

- Geothlypis trichas*—common yellowthroat

APPENDIX 5.3-B-2 (Continued)

Oreothlypis ruficapilla—Nashville warbler
Setophaga nigrescens—black-throated gray warbler
Oreothlypis celata—orange-crowned warbler
Cardellina pusilla—Wilson’s warbler
Setophaga coronata—yellow-rumped warbler
Setophaga petechia—yellow warbler
Geothlypis tolmiei—MacGillivray’s warbler

WOODPECKERS

PICIDAE—WOODPECKERS AND ALLIES

Melanerpes formicivorus—Acorn woodpecker
Melanerpes lewis—Lewis’s woodpecker
Picoides nuttallii—Nuttall’s woodpecker
Picoides pubescens—downy woodpecker
Colaptes auratus—northern flicker

WRENS

TROGLODYTIDAE—WRENS

Catherpes mexicanus—canyon wren
Salpinctes obsoletus—rock wren
Thryomanes bewickii—Bewick’s wren
Troglodytes aedon—house wren
Campylorhynchus brunneicapillus—cactus wren

WRENTITS

TIMALIIDAE—BABBLERS

Chamaea fasciata—wrentit
Oreortyx pictus—mountain quail

INVERTEBRATE

BUTTERFLIES

HESPERIIDAE—SKIPPERS

Heliopetes ericetorum—northern white-skipper

APPENDIX 5.3-B-2 (Continued)

FAIRY SHRIMP

BRANCHINECTIDAE—FAIRY SHRIMP

Branchinecta lindahli—versatile fairy shrimp

Branchinecta lynchi—vernal pool fairy shrimp

MAMMAL

BATS

VESPERTILIONIDAE—EVENING BATS

Corynorhinus townsendii—Townsend's big-eared bat

CANIDS

CANIDAE—WOLVES AND FOXES

Canis latrans—coyote

Urocyon cinereoargenteus—gray fox

CATS

FELIDAE—CATS

Lynx rufus—bobcat

HARES AND RABBITS

LEPORIDAE—HARES AND RABBITS

Lepus californicus bennettii—San Diego black-tailed jackrabbit

Sylvilagus audubonii—desert cottontail

Sylvilagus bachmani—brush rabbit

KANGAROO RATS

HETEROMYIDAE—POCKET MICE AND KANGAROO RATS

Dipodomys simulans—Dulzura kangaroo rat

Dipodomys sp.—kangaroo rat

Dipodomys stephensi—Stephens' kangaroo rat

Dipodomys merriami collinus—Earthquake Merriam's kangaroo rat

APPENDIX 5.3-B-2 (Continued)

MUSTELIDS

MUSTELIDAE—WEASELS, SKUNKS, AND OTTERS

Mustela frenata—long-tailed weasel

POCKET GOPHERS

GEOMYIDAE—POCKET GOPHERS

Thomomys bottae—Botta's pocket gopher

POCKET MICE

HETEROMYIDAE—POCKET MICE AND KANGAROO RATS

Chaetodipus californicus—California pocket mouse

Chaetodipus fallax fallax—northwestern San Diego pocket mouse

SHREWS

SORICIDAE—SHREWS

Notiosorex crawfordi—Crawford's gray shrew

RACCOONS

PROCYONIDAE—RACCOONS AND RELATIVES

Procyon lotor—raccoon

RATS AND MICE

MURIDAE—RATS AND MICE

Neotoma bryanti intermedia—Bryant's woodrat

Neotoma lepida—desert woodrat

Peromyscus boylii—brush deer mouse

Peromyscus eremicus—cactus deer mouse

Peromyscus maniculatus—North American deer mouse

Reithrodontomys megalotis—western harvest mouse

SQUIRRELS

SCIURIDAE—SQUIRRELS

Spermophilus (Otospermophilus) beecheyi—California ground squirrel

APPENDIX 5.3-B-2 (Continued)

VOLES

MURIDAE—RATS AND MICE

Microtus californicus—California vole

Microtus longicaudus—long-tailed vole

REPTILE

LIZARDS

PHRYNOSOMATIDAE—IGUANID LIZARDS

Phrynosoma blainvillii—Blainville's horned lizard

Sceloporus occidentalis—western fence lizard

Sceloporus orcutti—granite spiny lizard

Uta stansburiana—common side-blotched lizard

TEIIDAE—WHIPTAIL LIZARDS

Aspidoscelis hyperythra beldingi—Belding's orange-throated whiptail

Aspidoscelis tigris stejnegeri—San Diegan tiger whiptail

XANTUSIIDAE—NIGHT LIZARDS

Xantusia henshawi—granite night lizard

SNAKES

COLUBRIDAE—COLUBRID SNAKES

Coluber flagellum—coachwhip

Lampropeltis californiae—California kingsnake

Rhinocheilus lecontei—long-nosed snake

LEPTOTYPHLOPIDAE—SLENDER BLIND SNAKES

Rena humilis—southwestern threadsnake

VIPERIDAE—VIPERS

Crotalus oreganus helleri—Southern pacific rattlesnake

Crotalus ruber—red diamondback rattlesnake

* signifies introduced (non-native) species

APPENDIX 5.6-A

*Environmental Risk Information Services Reports
for Davis and Potrero Units*



DATABASE REPORT

Project Property: *Davis Unit
n/a
Riverside County CA*

Project No:

Report Type: *Database Report*

Order No: *20160916107*

Requested by: *Dudek & Associates, Inc.*

Date Completed: *September 19, 2016*

**Environmental Risk
Information Services**
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Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	9
Executive Summary: Site Report Summary - Surrounding Properties.....	11
Executive Summary: Summary by Data Source.....	17
Map.....	27
Aerial.....	30
Detail Report.....	31
Unplottable Summary.....	171
Unplottable Report.....	174
Appendix: Database Descriptions.....	196
Definitions.....	214

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Executive Summary

Property Information:

Project Property: *Davis Unit
n/a Riverside County CA*

Project No:

Coordinates:

Latitude: *33.873613*
Longitude: *-117.110065*
UTM Northing: *3,748,148.03*
UTM Easting: *489,820.70*
UTM Zone: *UTM Zone 11S*

Elevation: *1,422 FT*

Order Information:

Order No: *20160916107*
Date Requested: *September 16, 2016*
Requested by: *Dudek & Associates, Inc.*
Report Type: *Database Report*

Historicals/Products:

Aerial Photographs *Historical Aerials*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	.5	0	0	0	0	-	0
SEMS	Y	.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	.5	0	0	0	0	-	0
CERCLIS	Y	.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	.5	0	0	0	0	-	0
RCRA LQG	Y	.25	1	1	0	-	-	2
RCRA SQG	Y	.25	0	0	0	-	-	0
RCRA CESQG	Y	.25	0	0	0	-	-	0
RCRA NON GEN	Y	.25	0	0	0	-	-	0
FED ENG	Y	.5	0	0	0	0	-	0
FED INST	Y	.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	.5	0	0	0	0	-	0
FEMA UST	Y	.25	0	0	0	-	-	0
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	1	2	2	5
SWF/LF	Y	.5	1	1	0	0	-	2
HWP	Y	1	0	0	0	0	0	0
LDS	Y	.5	1	1	2	0	-	4
LUST	Y	.5	0	0	1	1	-	2

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DLST	Y	.5	0	0	0	0	-	0
UST	Y	.25	0	0	0	-	-	0
AST	Y	.25	1	1	0	-	-	2
DELISTED TNK	Y	.25	0	0	0	-	-	0
UST CLOSURE	Y	.25	0	0	0	-	-	0
HHSS	Y	.25	0	5	0	-	-	5
LUR	Y	.5	0	0	0	0	-	0
HLUR	Y	.5	0	0	0	0	-	0
DEED	Y	.5	0	0	0	0	-	0
VCP	Y	.5	0	0	0	0	-	0
CLEANUP SITES	Y	.5	1	1	2	0	-	4
Tribal								
INDIAN LUST	Y	.5	0	0	0	0	-	0
INDIAN UST	Y	.25	0	0	0	-	-	0
DELISTED ILST	Y	.5	0	0	0	0	-	0
DELISTED IUST	Y	.25	0	0	0	-	-	0
County								
ALAMEDA LOP	Y	.5	0	0	0	0	-	0
ALAMEDA UST	Y	.25	0	0	0	-	-	0
AMADOR CUPA	Y	.25	0	0	0	-	-	0
BUTTE CUPA	Y	.25	0	0	0	-	-	0
CALAVERAS CUPA	Y	.25	0	0	0	-	-	0
CALAVERAS LF	Y	.5	0	0	0	0	-	0
CALAVERAS LUST	Y	.5	0	0	0	0	-	0
COLUSA CUPA	Y	.25	0	0	0	-	-	0
CONTRACO CUPA	Y	.25	0	0	0	-	-	0
DELNORTE CUPA	Y	.25	0	0	0	-	-	0
ELDORADO CUPA	Y	.25	0	0	0	-	-	0
FRESNO CUPA	Y	.25	0	0	0	-	-	0
HUMBOLDT CUPA	Y	.25	0	0	0	-	-	0
IMPERIAL CUPA	Y	.25	0	0	0	-	-	0
INYO CUPA	Y	.25	0	0	0	-	-	0
KERN CUPA	Y	.25	0	0	0	-	-	0
KERN UST	Y	.25	0	0	0	-	-	0
KINGS CUPA	Y	.25	0	0	0	-	-	0
LAKE CUPA	Y	.25	0	0	0	-	-	0
ELSEGUNDO UST	Y	.25	0	0	0	-	-	0
TORRANCE UST	Y	.25	0	0	0	-	-	0
LA HMS	Y	.25	0	0	0	-	-	0
LA LONGB UST	Y	.25	0	0	0	-	-	0

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
LA SWF	Y	.5	0	0	0	0	-	0
MADERA CUPA	Y	.25	0	0	0	-	-	0
MARIN CUPA	Y	.25	0	0	0	-	-	0
MERCED CUPA	Y	.25	0	0	0	-	-	0
MONO CUPA	Y	.25	0	0	0	-	-	0
MONTEREY CUPA	Y	.25	0	0	0	-	-	0
NAPA UST	Y	.25	0	0	0	-	-	0
NEVADA CUPA	Y	.25	0	0	0	-	-	0
ORANGE AST	Y	.25	0	0	0	-	-	0
ORANGE UST	Y	.25	0	0	0	-	-	0
PLACER CUPA	Y	.25	0	0	0	-	-	0
RIVERSIDE LOP	Y	.5	0	2	0	1	-	3
RIVERSIDE UST	Y	.25	0	0	0	-	-	0
SACRAMENTO HAZ	Y	.5	0	0	0	0	-	0
SACRAMENTO TOX	Y	.5	0	0	0	0	-	0
SANBERN CUPA	Y	.25	0	0	0	-	-	0
SANDIEGO HAZ	Y	.25	0	0	0	-	-	0
SANDIEGO SAM	Y	.5	0	0	0	0	-	0
SANDIEGO SWF	Y	.5	0	0	0	0	-	0
SANFRAN AST	Y	.25	0	0	0	-	-	0
SANFRAN CUPA	Y	.25	0	0	0	-	-	0
SANFRAN LOP	Y	.5	0	0	0	0	-	0
SANFRAN UST	Y	.25	0	0	0	-	-	0
SANJOAQUIN AST	Y	.25	0	0	0	-	-	0
SANJOAQUIN UST	Y	.25	0	0	0	-	-	0
SANJOAQUIN HW	Y	.5	0	0	0	0	-	0
SANMATEO CUPA	Y	.25	0	0	0	-	-	0
SANMATEO LOP	Y	.5	0	0	0	0	-	0
SANTA CLARA CUPA	Y	.25	0	0	0	-	-	0
SANTA CLARA LO	Y	.5	0	0	0	0	-	0
SANTACRUZ CUPA	Y	.25	0	0	0	-	-	0
SHASTA CUPA	Y	.25	0	0	0	-	-	0
SANLUISOB CUPA	Y	.25	0	0	0	-	-	0
SOLANO CUPA	Y	.25	0	0	0	-	-	0
SOLANO LOP	Y	.5	0	0	0	0	-	0
SOLANO UST	Y	.25	0	0	0	-	-	0
SONOMA CUPA	Y	.25	0	0	0	-	-	0
SONOMA LOP	Y	.5	0	0	0	0	-	0
SONOMA PETAL	Y	.25	0	0	0	-	-	0
SUTTER CUPA	Y	.25	0	0	0	-	-	0
TUOLUMNE CUPA	Y	.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
VENTURA CUPA	Y	.25	0	0	0	-	-	0
OXNARD CUPA	Y	.25	0	0	0	-	-	0
VENTURA INUST	Y	.25	0	0	0	-	-	0
VENTURA HLUFT	Y	.5	0	0	0	0	-	0
YOLO UST	Y	.25	0	0	0	-	-	0
YUBA CUPA	Y	.25	0	0	0	-	-	0
BKRSFIELD CUPA	Y	.25	0	0	0	-	-	0
SANTA CLARA GIL	Y	.25	0	0	0	-	-	0
ALPINE CUPA	Y	.25	0	0	0	-	-	0
GLENN CUPA	Y	.25	0	0	0	-	-	0
LASSEN CUPA	Y	.25	0	0	0	-	-	0
MARIPOSA CUPA	Y	.25	0	0	0	-	-	0
MENDOCINO CUPA	Y	.25	0	0	0	-	-	0
PLUMAS CUPA	Y	.25	0	0	0	-	-	0
SAN BENITO CUPA	Y	.25	0	0	0	-	-	0
SISKIYOU CUPA	Y	.25	0	0	0	-	-	0
STANISLAUS CUPA	Y	.25	0	0	0	-	-	0
TEHAMA CUPA	Y	.25	0	0	0	-	-	0
TRINITY CUPA	Y	.25	0	0	0	-	-	0
TULARE CUPA	Y	.25	0	0	0	-	-	0
SANTA MONICA UST	Y	.25	0	0	0	-	-	0
HWFS	Y	.25	0	0	0	-	-	0
ASTS	Y	.25	0	0	0	-	-	0
HWMS	Y	.25	0	0	0	-	-	0
SANTA MONICA CUPA	Y	.25	0	0	0	-	-	0
BURBANK CUPA	Y	.25	0	0	0	-	-	0
SAN LEANDRO CUPA	Y	.25	0	0	0	-	-	0
SANTA BARB SMU	Y	.5	0	0	0	0	-	0
NAPA LOP	Y	.5	0	0	0	0	-	0
BERKELEY CUPA	Y	.25	0	0	0	-	-	0
SAN JOSE HM	Y	.25	0	0	0	-	-	0
CALAVERAS UST	Y	.25	0	0	0	-	-	0

Additional Environmental Records

Federal

FINDS/FRS	Y	PO	8	8	-	-	-	16
TRIS	Y	PO	0	-	-	-	-	0
HMIRS	Y	.125	0	0	-	-	-	0
NCDL	Y	PO	0	-	-	-	-	0
ODI	Y	.5	0	0	0	0	-	0
IODI	Y	.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
TSCA	Y	.125	0	0	-	-	-	0
HIST TSCA	Y	.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	.5	0	0	0	0	-	0
ICIS	Y	PO	1	-	-	-	-	1
FED DRYCLEANERS	Y	.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	1	1
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	.25	0	1	0	-	-	1
State								
INSP COMP ENF	Y	1	0	0	0	0	0	0
CDL	Y	.125	0	0	-	-	-	0
SCH	Y	1	0	0	1	3	1	5
CHMIRS	Y	PO	0	1	-	-	-	1
SWAT	Y	.5	0	0	0	0	-	0
HAZNET	Y	PO	2	15	-	-	-	17
SWRCB SWF	Y	.5	0	0	0	0	-	0
DTSC HWF	Y	.5	0	0	0	0	-	0
HIST MANIFEST	Y	PO	1	5	-	-	-	6
HIST CHMIRS	Y	PO	0	-	-	-	-	0
CDO/CAO	Y	.5	0	0	0	0	-	0
DRYCLEANERS	Y	.25	0	0	0	-	-	0
Tribal	No Tribal additional environmental record sources available for this State.							
County								
LA SML	Y	.5	0	0	0	0	-	0
RIVERSIDE HZH	Y	.125	3	4	-	-	-	7
RIVERSIDE HWG	Y	.125	2	3	-	-	-	5
SANJOAQUIN HM	Y	.125	0	0	-	-	-	0
VENTURA HAZR	Y	.5	0	0	0	0	-	0
HW INACTIVE	Y	.5	0	0	0	0	-	0
DELISTED COUNTY	Y	.25	0	1	0	-	-	1
Total:			22	50	7	7	4	90

* PO – Property Only

* 'Property and adjoining properties' database search radii are set at 0.25 miles.

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	FINDS/FRS	SAN JACINTO WILDLIFE AREA	17050 DAVIS RD LAKEVIEW CA 92567	-	0.00 / 0.00	83	31
1	RIVERSIDE HZH	San Jacinto Wildlife Area	17050 Davis Rd Lakeview CA 92567	-	0.00 / 0.00	83	31
2	FINDS/FRS	DOUBLE BAR S RANCHNA LLC	16200 DAVIS RD MORENO VALLEY CA 92555	-	0.00 / 0.00	76	31
2	FINDS/FRS	RECLAMNAMORENO VALLEY STPNAEMWD	16200 DAVIS ROAD MORENO VALLEY CA 92353	-	0.00 / 0.00	76	32
2	RIVERSIDE HWG	Double Bar S Ranch, LLC	16200 Davis Rd Moreno Valley CA 92555	-	0.00 / 0.00	76	32
2	RIVERSIDE HZH	Double Bar S Ranch, LLC	16200 Davis Rd Moreno Valley CA 92555	-	0.00 / 0.00	76	33
2	HAZNET	DOUBLE BAR S RANCH LLC	16200 DAVIS RD MORENO VALLEY CA 925550000	-	0.00 / 0.00	76	33
8	AST	MORENO COMPRESSOR STATION	14601 VIRGINIA ST. MORENO VALLEY CA 92360	-	0.00 / 0.00	86	33
8	FINDS/FRS	SAN DIEGO GAS & ELECTRIC - MORENO	14601 VIRGINIA STREET MORENO VALLEY CA 92555-8100	-	0.00 / 0.00	86	33
8	FINDS/FRS	SDG&E - MORENO COMPRESSOR STATION	14601 VIRGINIA ST MORENO VALLEY CA 92555	-	0.00 / 0.00	86	34
8	FINDS/FRS	MORENO VALLEY COMP STA (BR PONDS)	14601 VIRGINIA MORENO VALLEY CA 92555	-	0.00 / 0.00	86	35
8	FINDS/FRS	MORENO VALLLEY COMPRESSOR STATION	14601 VIRGINIA MORENO VALLEY CA 92555	-	0.00 / 0.00	86	35

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>8</u>	FINDS/FRS	SAN DIEGO GAS & ELECTRIC-MORENO VALLEY	14601 VIRGINIA & ALESSANDRO MORENO VALLEY CA 925558100	-	0.00 / 0.00	86	<u>36</u>
<u>8</u>	HIST MANIFEST		14601 VIRGINIA ST BOX 114 MORENO VALLEY CA 925550000	-	0.00 / 0.00	86	<u>36</u>
<u>8</u>	RIVERSIDE HWG	SDG&E c/o So Calif Gas - Moreno Compressor Station	14601 Virginia St Moreno Valley CA 92555-8100	-	0.00 / 0.00	86	<u>55</u>
<u>8</u>	RIVERSIDE HZH	SDG&E c/o So Calif Gas - Moreno Compressor Station	14601 Virginia St Moreno Valley CA 92555-8100	-	0.00 / 0.00	86	<u>55</u>
<u>8</u>	ICIS	SAN DIEGO GAS & ELECTRIC-MORENO VALLEY	14601 VIRGINIA & ALESSANDRO MORENO VALLEY CA 925558100	-	0.00 / 0.00	86	<u>55</u>
<u>8</u>	HAZNET	SAN DIEGO GAS & ELECTRIC	14601 VIRGINIA ST BOX 114 MORENO VALLEY CA 925550000	-	0.00 / 0.00	86	<u>56</u>
<u>8</u>	RCRA LQG	SAN DIEGO GAS AND ELECTRIC-MORENO CMP. STATION	14601 VIRGINIA STREET BOX 114 CA 92555	-	0.00 / 0.00	86	<u>97</u>
<u>9</u>	CLEANUP SITES	San Diego Gas & Electric - MORENO VALLEY COMP STA (Br Ponds)	14601 VIRGINIA MORENO VALLEY CA	-	0.00 / 0.00	87	<u>100</u>
<u>9</u>	LDS	SAN DIEGO GAS & ELECTRIC - MORENO VALLEY COMP STA (BR PONDS)	14601 VIRGINIA MORENO VALLEY CA	-	0.00 / 0.00	87	<u>101</u>
<u>17</u>	SWF/LF	Pro Organic Farms	Bridge St. Lakeview CA	-	0.00 / 0.00	-4	<u>103</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
3	CLEANUP SITES	Lakeview Landfill	SW Corner of Marvin Road & Davis Road Lakeview CA 92567	SSW	0.01 / 53.23	2	104
3	LDS	LAKEVIEW LANDFILL	SW CORNER OF MARVIN ROAD & DAVIS ROAD LAKEVIEW CA 92567	SSW	0.01 / 53.23	2	105
4	FINDS/FRS	LAKEVIEW LANDFILL	CORNER OF DAVIS RD AND MARVIN LAKEVIEW CA 92567	SSW	0.02 / 82.61	2	107
4	FINDS/FRS	LAKEVIEW LANDFILL	SW CORNER OF MARVIN ROAD & DAVIS ROAD LAKEVIEW CA 92567	SSW	0.02 / 82.61	2	108
4	SWF/LF	Lakeview	Corner Of Davis Rd And Marvin Rd Lakeview CA	SSW	0.02 / 82.61	2	108
5	FINDS/FRS	INDUSTRIAL ASPHALT CO	15980-16980 GILMAN SPRINGS RD MORENO VALLEY CA 92555-9719	NE	0.01 / 48.99	40	109
5	FINDS/FRS	VERIZON WIRELESS: QUAIL RANCH	15962 GILMAN SPRINGS ROAD MORENO VALLEY CA 92555	NE	0.01 / 48.99	40	110
5	RIVERSIDE HZH	Verizon Wireless Quail Ranch	15962 Gilman Sprgs Rd Moreno Valley CA 92555	NE	0.01 / 48.99	40	110
5	HAZNET	MORENO GILMAN 650 LLC	15970 GILMAN SPRINGS RD MORENO VALLEY CA 92555	NE	0.01 / 48.99	40	110
5	HAZNET	ALL VALLEY LANDSCAPE SUPPLY	15970 GILMAN SPRINGS RD MORENO VALLEY CA 92555	NE	0.01 / 48.99	40	111
6	ENVIROSTOR	MOUNTAIN SHADOWS MIDDLE SCHOOL	9TH STREET/RESERVOIR AVENUE NUEVO CA 92567	S	0.26 / 1,380.21	12	111
6	SCH	MOUNTAIN SHADOWS MIDDLE SCHOOL	9TH STREET/RESERVOIR AVENUE	S	0.26 / 1,380.21	12	113

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			NUEVO CA 92567				
7	DELISTED COUNTY	MetroPCS California LLC	15960 Gilman Springs Rd Moreno Valley CA 92555	NE	0.01 / 46.57	42	113
7	FINDS/FRS	NEXTEL CELL SITE CA6745	15960 GILMAN SPRINGS RD MORENO VALLEY CA 92555	NE	0.01 / 46.57	42	114
7	FINDS/FRS	GILMAN SPRINGS ROAD PHASE 1	15960 GILMAN SPRINGS MORENO VALLEY CA 92555	NE	0.01 / 46.57	42	114
7	FINDS/FRS	METROPCS CALIFORNIA LLC	15960 GILMAN SPRINGS RD MORENO VALLEY CA 92555	NE	0.01 / 46.57	42	115
7	HIST MANIFEST		15960 GILMAN SPRING MORENO VALLEY CA 925550000	NE	0.01 / 46.57	42	115
7	HAZNET	QUAIL RANCH COUNTRY CLUB	15960 GILMAN SPRINGS RD MORENO VALLEY CA 925559700	NE	0.01 / 46.57	42	116
7	HAZNET	QUAIL RANCH COUNTRY CLUB	15960 GILMAN SPRING MORENO VALLEY CA 925550000	NE	0.01 / 46.57	42	117
7	HAZNET	PALM CREST INVESTMENT INC	15960 GILMAN SPRINGS ROAD MORENO VALLEY CA 924440000	NE	0.01 / 46.57	42	118
7	HAZNET	PALM CREST RESORT/COUNTRY CLUB	15960 GILMAN SPRING MORENO VALLEY CA 925550000	NE	0.01 / 46.57	42	118
7	HAZNET	QUAIL RANCH	15960 GILMAN SPRING RD MORENO VALLEY CA 925550000	NE	0.01 / 46.57	42	119
10	HHSS	INDUSTRIAL ASPHALT	15980 GILMAN SPRINGS ROAD MORENO CA 92360	ENE	0.01 / 59.68	87	119
10	HHSS	STANDARD READY MIX CONCRETE	15980 GILMAN SPRINGS RD MORENO CA 92360	ENE	0.01 / 59.68	87	119

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
10	HIST MANIFEST		15980 GILMAN SPRINGS RD MORENO VALLEY CA 925550000	ENE	0.01 / 59.68	87	119
10	HIST MANIFEST		15980 GILMAN SPRINGS ROAD MORENO VALLEY CA 923880000	ENE	0.01 / 59.68	87	125
10	HIST MANIFEST		15980 GILMAN SPRINGS RD MORENO CA 923600000	ENE	0.01 / 59.68	87	127
10	HIST MANIFEST		15980 GILMAN SPRINGS RD MARINO VALLEY CA 927010000	ENE	0.01 / 59.68	87	127
10	HAZNET	INDUSTRIAL ASPHALT	15980 GILMAN SPRINGS RD MORENO CA 000000000	ENE	0.01 / 59.68	87	128
10	HAZNET	STANDARD CONCRETE PRODUCTS INC	15980 GILMAN SPRINGS RD MORENO VALLEY CA 923600000	ENE	0.01 / 59.68	87	129
10	HAZNET	INDUSTRIAL ASPHALT	15980 GILMAN SPRINGS ROAD MORENO VALLEY CA 925550000	ENE	0.01 / 59.68	87	129
10	HAZNET	1X MORENO VALLEY SAND & GRAVEL	15980 GILMAN SPRINGS ROAD MORENO VALLEY CA 923880000	ENE	0.01 / 59.68	87	130
10	HAZNET	CALMAT CO/MORENO VALLEY	15980 GILMAN SPRINGS RD MORENO VALLEY CA 925550000	ENE	0.01 / 59.68	87	130
10	HAZNET	VULCAN MATERIALS	15980 GILMAN SPRINGS RD MORENO VALLEY CA 925550000	ENE	0.01 / 59.68	87	133
10	HAZNET	1X STANDARD CONCRETE PRODUCTS	15980 GILMAN SPRINGS RD MARINO VALLEY CA 927010000	ENE	0.01 / 59.68	87	134
10	HAZNET	1X MORENO VALLEY SAND AND GRAVEL	15980 GILMAN SPRINGS RD MORENO CA 923600000	ENE	0.01 / 59.68	87	134

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
11	RIVERSIDE HWG	M & H Transport	34005 Gilman Sprgs Rd Moreno Valley CA 92555	ENE	0.10 / 511.83	33	135
11	RIVERSIDE HZH	M & H Transport	34005 Gilman Sprgs Rd Moreno Valley CA 92555	ENE	0.10 / 511.83	33	135
12	RIVERSIDE LOP	Hy-Line International	31111 Reservoir Ave Lakeview CA <i>Site ID / Status Desc:</i> 94406 - CLOSED/ACTION COMPLETED	SSW	0.39 / 2,046.78	31	135
13	LUST	Hy-Line International	31111 RESERVOIR AVE LAKEVIEW CA 92550 <i>Global ID / Status:</i> T0606500383 / Completed - Case Closed	SSW	0.41 / 2,172.90	33	135
14	FINDS/FRS	SOUTHERN CALIFORNIA LANDSCAPE SUPPLY COMPOSTING FAC	17520 BRIDGE STREET LAKEVIEW CA 92555	ENE	0.02 / 105.60	78	136
15	LUST	INDUSTRIAL ASPHALT	15980 GILMAN SPRINGS RD MORENO VALLEY CA 92388 <i>Global ID / Status:</i> T0606500027 / Completed - Case Closed	ENE	0.16 / 846.03	127	137
16	ENVIROSTOR	MARCH LIGHT ANNEX NR2	RIVERSIDE CA	NW	0.86 / 4,565.77	1270	138
18	CLEANUP SITES	Agriscape Inc. Composting FAC	18712 Bridge Street Lakeview CA 92550	ESE	0.14 / 734.62	14	138
18	LDS	AGRISCAPE INC. COMPOSTING FAC	18712 BRIDGE STREET LAKEVIEW CA 92550	ESE	0.14 / 734.62	14	140
19	CLEANUP SITES	Southern California Landscape Supply Composting Fac	17520 Bridge Street Lakeview CA 92555	E	0.14 / 731.64	11	143
19	LDS	SOUTHERN CALIFORNIA LANDSCAPE SUPPLY COMPOSTING FAC	17520 BRIDGE STREET LAKEVIEW CA 92555	E	0.14 / 731.64	11	146
20	ENVIROSTOR	AVALON ELEMENTARY SCHOOL	RAMONA EXPRESSWAY/RIDER STREET PERRIS CA 92571	SW	0.18 / 943.90	104	149
20	SCH	AVALON ELEMENTARY SCHOOL	RAMONA EXPRESSWAY/RIDER	SW	0.18 / 943.90	104	151

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			STREET PERRIS CA 92571				
21	MINES	PORTABLE PLANT 1	3973 Barbury Palms Way Perris CA 92571	WSW	0.05 / 289.25	47	151
22	CHMIRS	Riverside County Fire Dept.	Ramona Expressway at Bradley Perris CA	WSW	0.01 / 77.15	53	162
23	RCRA LQG	LAKE PERRIS DAM	26900 RAMONA EXPY PERRIS CA 92571	WSW	0.03 / 171.47	49	163
24	AST	LAKE PERRIS	17801 LAKE PERRIS DRIVE PERRIS CA 92570	W	0.03 / 132.78	143	164
24	HHSS	LAKE PERRIA MARINA	17801 LAKE PERRIS DR PERRIS CA 92370	W	0.03 / 132.78	143	164
24	HHSS	LAKE PERRIS MARINA	17801 LAKE PERRIS DR PERRIS CA 92370	W	0.03 / 132.78	143	164
24	HHSS	LAKE PERRIS STATE RECREATION A	17801 LAKE PERRIS DRIVE PERRIS CA 92370	W	0.03 / 132.78	143	164
24	RIVERSIDE HWG	Lake Perris Marina	17801 Lake Perris Dr Perris CA 92570	W	0.03 / 132.78	143	164
24	RIVERSIDE HWG	Lake Perris State Rec	17801 Lake Perris Dr #B Perris CA 92570	W	0.03 / 132.78	143	165
24	RIVERSIDE HZH	Lake Perris Marina	17801 Lake Perris Dr Perris CA 92570	W	0.03 / 132.78	143	165
24	RIVERSIDE HZH	Lake Perris State Rec	17801 Lake Perris Dr #B Perris CA 92570	W	0.03 / 132.78	143	165
24	RIVERSIDE LOP	Lake Perris Marina	17801 Lake Perris Dr Perris CA	W	0.03 / 132.78	143	165

Site ID / Status Desc: 911183 - CLOSED/ACTION COMPLETED

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>24</u>	RIVERSIDE LOP	Lake Perris Marina	17801 Lake Perris Dr Perris CA <i>Site ID / Status Desc: 94716 /</i>	W	0.03 / 132.78	143	<u>165</u>
<u>25</u>	ENVIROSTOR	MCCANNA RANCH SCHOOL	MAIN ST. / RIDER ST. PERRIS CA 92570	SW	0.37 / 1,929.32	66	<u>165</u>
<u>25</u>	SCH	MCCANNA RANCH SCHOOL	MAIN ST. / RIDER ST. PERRIS CA 92570	SW	0.37 / 1,929.32	66	<u>166</u>
<u>26</u>	SCH	PALOMA VALLEY SITE	31375 BRADLEY ROAD PERRIS CA 92571	WSW	0.44 / 2,310.25	43	<u>167</u>
<u>27</u>	FUDS	MARCH AFB - POORMAN GUNNERY RANGE	MORENO VALLEY CA	W	0.96 / 5,092.16	77	<u>167</u>
<u>28</u>	ENVIROSTOR	PROPOSED MORGAN STREET ELEMENTARY SCHOOL	NW CORNER OF EVANS ROAD & MORGAN STREET PERRIS CA 92571	WSW	0.65 / 3,450.96	35	<u>168</u>
<u>28</u>	SCH	PROPOSED MORGAN STREET ELEMENTARY SCHOOL	NW CORNER OF EVANS ROAD & MORGAN STREET PERRIS CA 92571	WSW	0.65 / 3,450.96	35	<u>169</u>

Executive Summary: Summary by Data Source

Standard

Federal

RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Jun 21, 2016 has found that there are 2 RCRA LQG site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SAN DIEGO GAS AND ELECTRIC-MORENO CMP. STATION	14601 VIRGINIA STREET BOX 114 CA 92555	-	0.00 / 0.00	<u>8</u>
LAKE PERRIS DAM	26900 RAMONA EXPY PERRIS CA 92571	WSW	0.03 / 171.47	<u>23</u>

State

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Apr 28, 2016 has found that there are 5 ENVIROSTOR site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MOUNTAIN SHADOWS MIDDLE SCHOOL	9TH STREET/RESERVOIR AVENUE NUEVO CA 92567	S	0.26 / 1,380.21	<u>6</u>
MARCH LIGHT ANNEX NR2	RIVERSIDE CA	NW	0.86 / 4,565.77	<u>16</u>
AVALON ELEMENTARY SCHOOL	RAMONA EXPRESSWAY/RIDER STREET PERRIS CA 92571	SW	0.18 / 943.90	<u>20</u>
MCCANNA RANCH SCHOOL	MAIN ST. / RIDER ST. PERRIS CA 92570	SW	0.37 / 1,929.32	<u>25</u>
PROPOSED MORGAN STREET ELEMENTARY SCHOOL	NW CORNER OF EVANS ROAD & MORGAN STREET PERRIS CA 92571	WSW	0.65 / 3,450.96	<u>28</u>

SWF/LF - Solid Waste Information System (SWIS)

A search of the SWF/LF database, dated Jul 15, 2016 has found that there are 2 SWF/LF site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Lakeview	Corner Of Davis Rd And Marvin Rd Lakeview CA	SSW	0.02 / 82.61	4

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Pro Organic Farms	Bridge St. Lakeview CA	-	0.00 / 0.00	17

LDS - Land Disposal Sites

A search of the LDS database, dated Aug 24, 2016 has found that there are 4 LDS site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LAKEVIEW LANDFILL	SW CORNER OF MARVIN ROAD & DAVIS ROAD LAKEVIEW CA 92567	SSW	0.01 / 53.23	3
SAN DIEGO GAS & ELECTRIC - MORENO VALLEY COMP STA (BR PONDS)	14601 VIRGINIA MORENO VALLEY CA	-	0.00 / 0.00	9
AGRISCAPE INC. COMPOSTING FAC	18712 BRIDGE STREET LAKEVIEW CA 92550	ESE	0.14 / 734.62	18
SOUTHERN CALIFORNIA LANDSCAPE SUPPLY COMPOSTING FAC	17520 BRIDGE STREET LAKEVIEW CA 92555	E	0.14 / 731.64	19

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Jun 06, 2016 has found that there are 2 LUST site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Hy-Line International	31111 RESERVOIR AVE LAKEVIEW CA 92550 <i>Global ID / Status: T0606500383 / Completed - Case Closed</i>	SSW	0.41 / 2,172.90	13
INDUSTRIAL ASPHALT	15980 GILMAN SPRINGS RD MORENO VALLEY CA 92388 <i>Global ID / Status: T0606500027 / Completed - Case Closed</i>	ENE	0.16 / 846.03	15

AST - Aboveground Storage Tanks

A search of the AST database, dated Aug 31, 2009 has found that there are 2 AST site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MORENO COMPRESSOR STATION	14601 VIRGINIA ST. MORENO VALLEY CA 92360	-	0.00 / 0.00	<u>8</u>
LAKE PERRIS	17801 LAKE PERRIS DRIVE PERRIS CA 92570	W	0.03 / 132.78	<u>24</u>

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 5 HHSS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
INDUSTRIAL ASPHALT	15980 GILMAN SPRINGS ROAD MORENO CA 92360	ENE	0.01 / 59.68	<u>10</u>
STANDARD READY MIX CONCRETE	15980 GILMAN SPRINGS RD MORENO CA 92360	ENE	0.01 / 59.68	<u>10</u>
LAKE PERRIS STATE RECREATION A	17801 LAKE PERRIS DRIVE PERRIS CA 92370	W	0.03 / 132.78	<u>24</u>
LAKE PERRIS MARINA	17801 LAKE PERRIS DR PERRIS CA 92370	W	0.03 / 132.78	<u>24</u>
LAKE PERRIA MARINA	17801 LAKE PERRIS DR PERRIS CA 92370	W	0.03 / 132.78	<u>24</u>

CLEANUP SITES - GeoTracker Cleanup Sites Data

A search of the CLEANUP SITES database, dated Jun 06, 2016 has found that there are 4 CLEANUP SITES site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Lakeview Landfill	SW Corner of Marvin Road & Davis Road Lakeview CA 92567	SSW	0.01 / 53.23	<u>3</u>
San Diego Gas & Electric - MORENO VALLEY COMP STA (Br Ponds)	14601 VIRGINIA MORENO VALLEY CA	-	0.00 / 0.00	<u>9</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Agriscape Inc. Composting FAC	18712 Bridge Street Lakeview CA 92550	ESE	0.14 / 734.62	18
Southern California Landscape Supply Composting Fac	17520 Bridge Street Lakeview CA 92555	E	0.14 / 731.64	19

County

RIVERSIDE LOP - Riverside County Local Oversight Program List

A search of the RIVERSIDE LOP database, dated May 18, 2016 has found that there are 3 RIVERSIDE LOP site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Hy-Line International	31111 Reservoir Ave Lakeview CA	SSW	0.39 / 2,046.78	12
	<i>Site ID / Status Desc: 94406 - CLOSED/ACTION COMPLETED</i>			
Lake Perris Marina	17801 Lake Perris Dr Perris CA	W	0.03 / 132.78	24
	<i>Site ID / Status Desc: 94716 /</i>			
Lake Perris Marina	17801 Lake Perris Dr Perris CA	W	0.03 / 132.78	24
	<i>Site ID / Status Desc: 911183 - CLOSED/ACTION COMPLETED</i>			

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Mar 9, 2016 has found that there are 16 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SAN JACINTO WILDLIFE AREA	17050 DAVIS RD LAKEVIEW CA 92567	-	0.00 / 0.00	1
DOUBLE BAR S RANCHNA LLC	16200 DAVIS RD MORENO VALLEY CA 92555	-	0.00 / 0.00	2
RECLAMNAMOORENO VALLEY STPNAEMWD	16200 DAVIS ROAD MORENO VALLEY CA 92353	-	0.00 / 0.00	2

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LAKEVIEW LANDFILL	CORNER OF DAVIS RD AND MARVIN LAKEVIEW CA 92567	SSW	0.02 / 82.61	<u>4</u>
LAKEVIEW LANDFILL	SW CORNER OF MARVIN ROAD & DAVIS ROAD LAKEVIEW CA 92567	SSW	0.02 / 82.61	<u>4</u>
INDUSTRIAL ASPHALT CO	15980-16980 GILMAN SPRINGS RD MORENO VALLEY CA 92555-9719	NE	0.01 / 48.99	<u>5</u>
VERIZON WIRELESS: QUAIL RANCH	15962 GILMAN SPRINGS ROAD MORENO VALLEY CA 92555	NE	0.01 / 48.99	<u>5</u>
GILMAN SPRINGS ROAD PHASE 1	15960 GILMAN SPRINGS MORENO VALLEY CA 92555	NE	0.01 / 46.57	<u>7</u>
METROPCS CALIFORNIA LLC	15960 GILMAN SPRINGS RD MORENO VALLEY CA 92555	NE	0.01 / 46.57	<u>7</u>
NEXTEL CELL SITE CA6745	15960 GILMAN SPRINGS RD MORENO VALLEY CA 92555	NE	0.01 / 46.57	<u>7</u>
SAN DIEGO GAS & ELECTRIC - MORENO	14601 VIRGINIA STREET MORENO VALLEY CA 92555-8100	-	0.00 / 0.00	<u>8</u>
SDG&E - MORENO COMPRESSOR STATION	14601 VIRGINIA ST MORENO VALLEY CA 92555	-	0.00 / 0.00	<u>8</u>
MORENO VALLEY COMP STA (BR PONDS)	14601 VIRGINIA MORENO VALLEY CA 92555	-	0.00 / 0.00	<u>8</u>
MORENO VALLLEY COMPRESSOR STATION	14601 VIRGINIA MORENO VALLEY CA 92555	-	0.00 / 0.00	<u>8</u>
SAN DIEGO GAS & ELECTRIC- MORENO VALLEY	14601 VIRGINIA & ALESSANDRO MORENO VALLEY CA 925558100	-	0.00 / 0.00	<u>8</u>
SOUTHERN CALIFORNIA LANDSCAPE SUPPLY COMPOSTING FAC	17520 BRIDGE STREET LAKEVIEW CA 92555	ENE	0.02 / 105.60	<u>14</u>

ICIS - Integrated Compliance Information System (ICIS)

A search of the ICIS database, dated May 24, 2016 has found that there are 1 ICIS site(s) within approximately 0.02 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SAN DIEGO GAS & ELECTRIC-MORENO VALLEY	14601 VIRGINIA & ALESSANDRO MORENO VALLEY CA 925558100	-	0.00 / 0.00	<u>8</u>

FUDS - Formerly Used Defense Sites

A search of the FUDS database, dated Dec 31, 2013 has found that there are 1 FUDS site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MARCH AFB - POORMAN GUNNERY RANGE	MORENO VALLEY CA	W	0.96 / 5,092.16	<u>27</u>

MINES - Mines Master Index File

A search of the MINES database, dated Feb 19, 2016 has found that there are 1 MINES site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PORTABLE PLANT 1	3973 Barbury Palms Way Perris CA 92571	WSW	0.05 / 289.25	<u>21</u>

State

SCH - School Property Evaluation Program Sites

A search of the SCH database, dated Jul 19, 2016 has found that there are 5 SCH site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MOUNTAIN SHADOWS MIDDLE SCHOOL	9TH STREET/RESERVOIR AVENUE NUEVO CA 92567	S	0.26 / 1,380.21	<u>6</u>
AVALON ELEMENTARY SCHOOL	RAMONA EXPRESSWAY/RIDER STREET PERRIS CA 92571	SW	0.18 / 943.90	<u>20</u>
MCCANNA RANCH SCHOOL	MAIN ST. / RIDER ST. PERRIS CA 92570	SW	0.37 / 1,929.32	<u>25</u>
PALOMA VALLEY SITE	31375 BRADLEY ROAD PERRIS CA 92571	WSW	0.44 / 2,310.25	<u>26</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PROPOSED MORGAN STREET ELEMENTARY SCHOOL	NW CORNER OF EVANS ROAD & MORGAN STREET PERRIS CA 92571	WSW	0.65 / 3,450.96	28

CHMIRS - California Hazardous Material Incident Report System (CHMIRS)

A search of the CHMIRS database, dated Jun 03, 2016 has found that there are 1 CHMIRS site(s) within approximately 0.02 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Riverside County Fire Dept.	Ramona Expressway at Bradley Perris CA	WSW	0.01 / 77.15	22

HAZNET - Hazardous Waste Manifest Data

A search of the HAZNET database, dated Oct 2, 2015 has found that there are 17 HAZNET site(s) within approximately 0.02 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
DOUBLE BAR S RANCH LLC	16200 DAVIS RD MORENO VALLEY CA 925550000	-	0.00 / 0.00	2
MORENO GILMAN 650 LLC	15970 GILMAN SPRINGS RD MORENO VALLEY CA 92555	NE	0.01 / 48.99	5
ALL VALLEY LANDSCAPE SUPPLY	15970 GILMAN SPRINGS RD MORENO VALLEY CA 92555	NE	0.01 / 48.99	5
QUAIL RANCH COUNTRY CLUB	15960 GILMAN SPRINGS RD MORENO VALLEY CA 925559700	NE	0.01 / 46.57	7
QUAIL RANCH COUNTRY CLUB	15960 GILMAN SPRING MORENO VALLEY CA 925550000	NE	0.01 / 46.57	7
PALM CREST INVESTMENT INC	15960 GILMAN SPRINGS ROAD MORENO VALLEY CA 924440000	NE	0.01 / 46.57	7
PALM CREST RESORT/COUNTRY CLUB	15960 GILMAN SPRING MORENO VALLEY CA 925550000	NE	0.01 / 46.57	7
QUAIL RANCH	15960 GILMAN SPRING RD MORENO VALLEY CA 925550000	NE	0.01 / 46.57	7

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SAN DIEGO GAS & ELECTRIC	14601 VIRGINIA ST BOX 114 MORENO VALLEY CA 925550000	-	0.00 / 0.00	<u>8</u>
INDUSTRIAL ASPHALT	15980 GILMAN SPRINGS RD MORENO CA 000000000	ENE	0.01 / 59.68	<u>10</u>
1X STANDARD CONCRETE PRODUCTS	15980 GILMAN SPRINGS RD MARINO VALLEY CA 927010000	ENE	0.01 / 59.68	<u>10</u>
VULCAN MATERIALS	15980 GILMAN SPRINGS RD MORENO VALLEY CA 925550000	ENE	0.01 / 59.68	<u>10</u>
INDUSTRIAL ASPHALT	15980 GILMAN SPRINGS ROAD MORENO VALLEY CA 925550000	ENE	0.01 / 59.68	<u>10</u>
CALMAT CO/MORENO VALLEY	15980 GILMAN SPRINGS RD MORENO VALLEY CA 925550000	ENE	0.01 / 59.68	<u>10</u>
1X MORENO VALLEY SAND & GRAVEL	15980 GILMAN SPRINGS ROAD MORENO VALLEY CA 923880000	ENE	0.01 / 59.68	<u>10</u>
STANDARD CONCRETE PRODUCTS INC	15980 GILMAN SPRINGS RD MORENO VALLEY CA 923600000	ENE	0.01 / 59.68	<u>10</u>
1X MORENO VALLEY SAND AND GRAVEL	15980 GILMAN SPRINGS RD MORENO CA 923600000	ENE	0.01 / 59.68	<u>10</u>

HIST MANIFEST - Historical Hazardous Waste Manifest Data

A search of the HIST MANIFEST database, dated Dec 31, 1992 has found that there are 6 HIST MANIFEST site(s) within approximately 0.02 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	15960 GILMAN SPRING MORENO VALLEY CA 925550000	NE	0.01 / 46.57	<u>7</u>
	14601 VIRGINIA ST BOX 114 MORENO VALLEY CA 925550000	-	0.00 / 0.00	<u>8</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	15980 GILMAN SPRINGS RD MARINO VALLEY CA 927010000	ENE	0.01 / 59.68	10
	15980 GILMAN SPRINGS RD MORENO CA 923600000	ENE	0.01 / 59.68	10
	15980 GILMAN SPRINGS RD MORENO VALLEY CA 925550000	ENE	0.01 / 59.68	10
	15980 GILMAN SPRINGS ROAD MORENO VALLEY CA 923880000	ENE	0.01 / 59.68	10

County

RIVERSIDE HZH - Riverside County Disclosure Facility List

A search of the RIVERSIDE HZH database, dated May 18, 2016 has found that there are 7 RIVERSIDE HZH site(s) within approximately 0.12 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
San Jacinto Wildlife Area	17050 Davis Rd Lakeview CA 92567	-	0.00 / 0.00	1
Double Bar S Ranch, LLC	16200 Davis Rd Moreno Valley CA 92555	-	0.00 / 0.00	2
Verizon Wireless Quail Ranch	15962 Gilman Sprgs Rd Moreno Valley CA 92555	NE	0.01 / 48.99	5
SDG&E c/o So Calif Gas - Moreno Compressor Station	14601 Virginia St Moreno Valley CA 92555-8100	-	0.00 / 0.00	8
M & H Transport	34005 Gilman Sprgs Rd Moreno Valley CA 92555	ENE	0.10 / 511.83	11
Lake Perris Marina	17801 Lake Perris Dr Perris CA 92570	W	0.03 / 132.78	24
Lake Perris State Rec	17801 Lake Perris Dr #B Perris CA 92570	W	0.03 / 132.78	24

RIVERSIDE HWG - Riverside County Hazardous Waste Generator Sites List

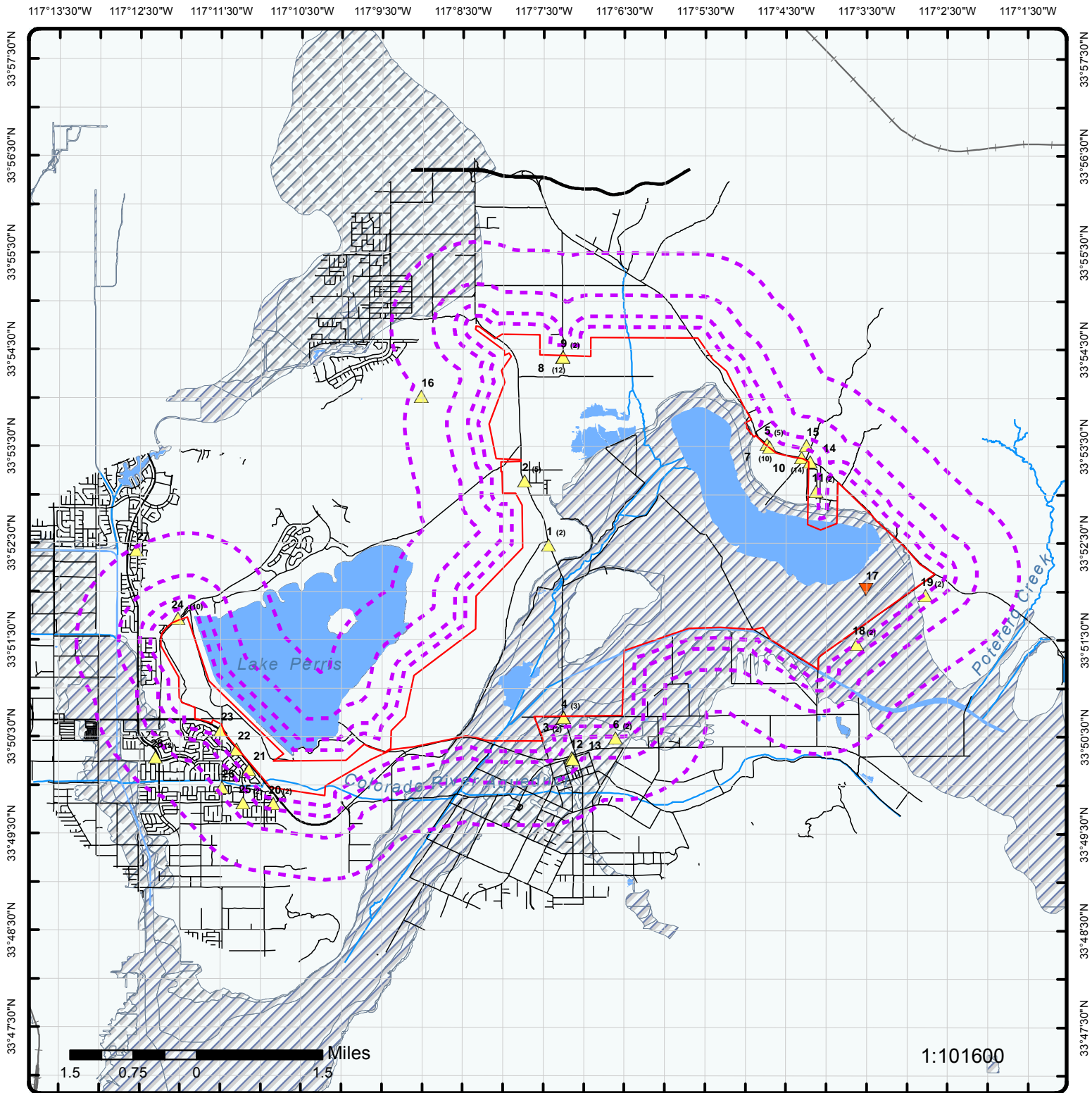
A search of the RIVERSIDE HWG database, dated May 18, 2016 has found that there are 5 RIVERSIDE HWG site(s) within approximately 0.12 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Double Bar S Ranch, LLC	16200 Davis Rd Moreno Valley CA 92555	-	0.00 / 0.00	<u>2</u>
SDG&E c/o So Calif Gas - Moreno Compressor Station	14601 Virginia St Moreno Valley CA 92555-8100	-	0.00 / 0.00	<u>8</u>
M & H Transport	34005 Gilman Sprgs Rd Moreno Valley CA 92555	ENE	0.10 / 511.83	<u>11</u>
Lake Perris State Rec	17801 Lake Perris Dr #B Perris CA 92570	W	0.03 / 132.78	<u>24</u>
Lake Perris Marina	17801 Lake Perris Dr Perris CA 92570	W	0.03 / 132.78	<u>24</u>

DELISTED COUNTY - Delisted County Records

A search of the DELISTED COUNTY database, dated Aug 24, 2016 has found that there are 1 DELISTED COUNTY site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MetroPCS California LLC	15960 Gilman Springs Rd Moreno Valley CA 92555	NE	0.01 / 46.57	<u>7</u>



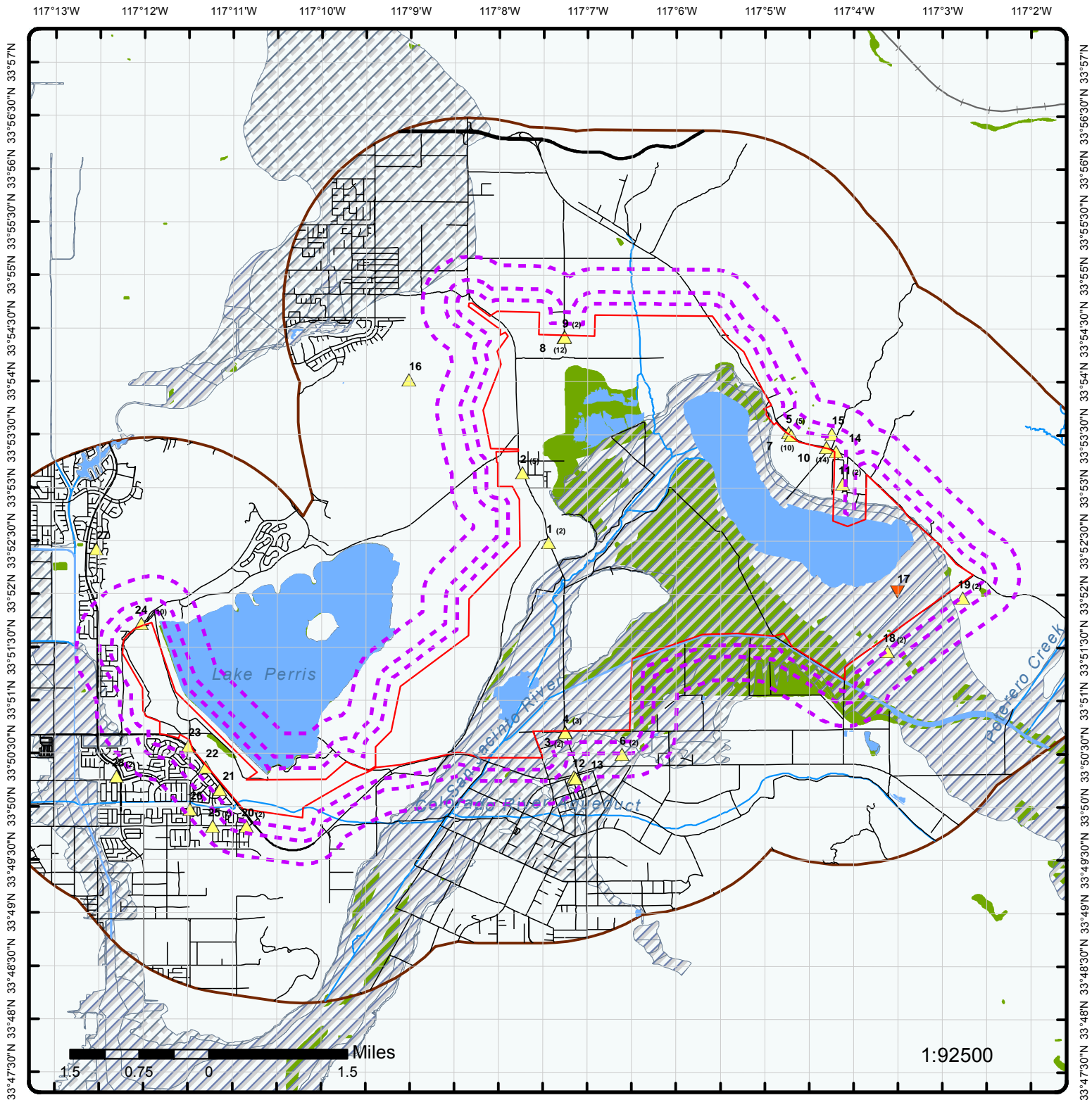
Map : 1 Mile Radius

Order No: 20160916107

Address: n/a, Riverside County, CA



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		



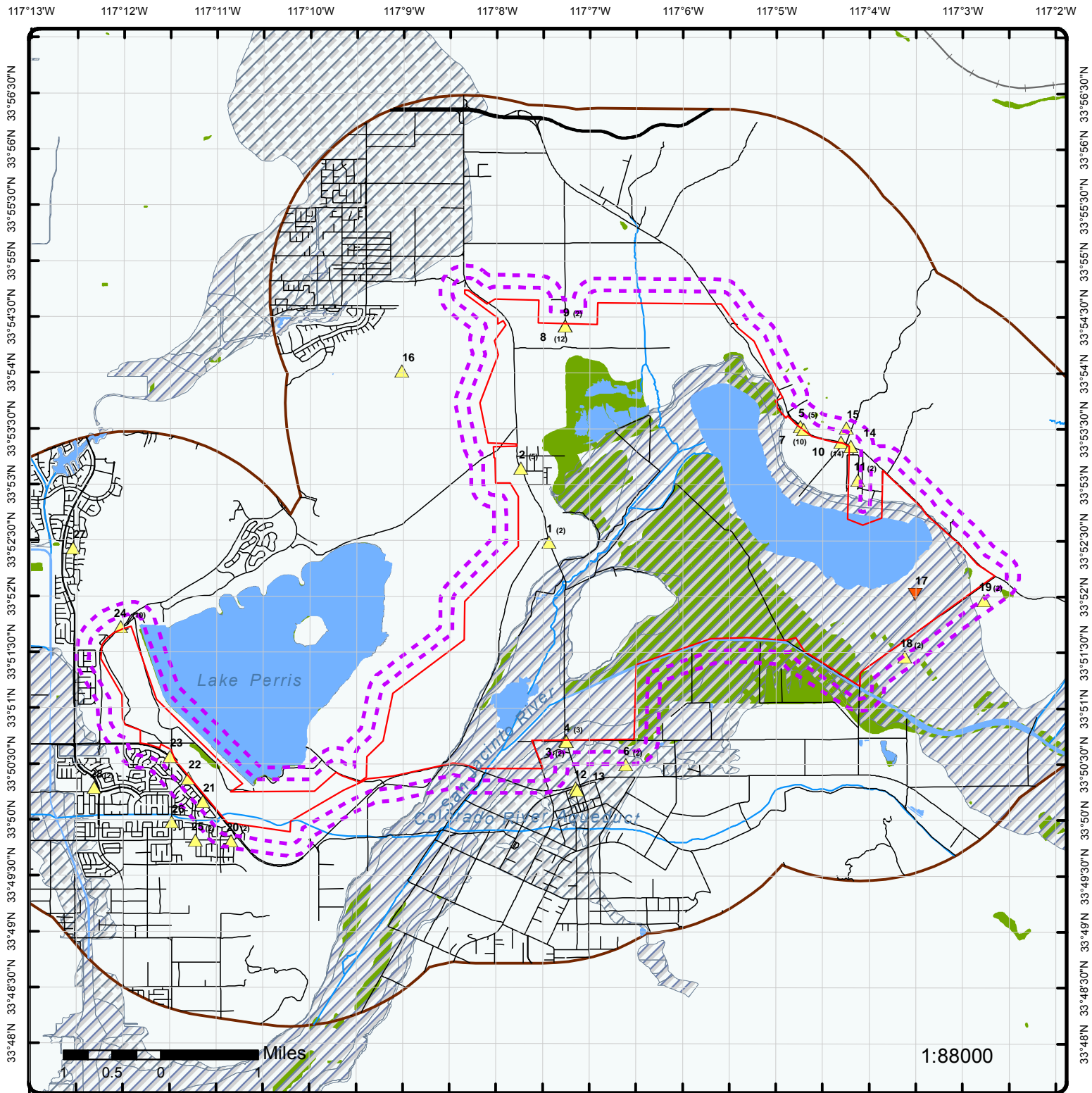
Map : 0.5 Mile Radius

Order No: 20160916107

Address: n/a, Riverside County, CA



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

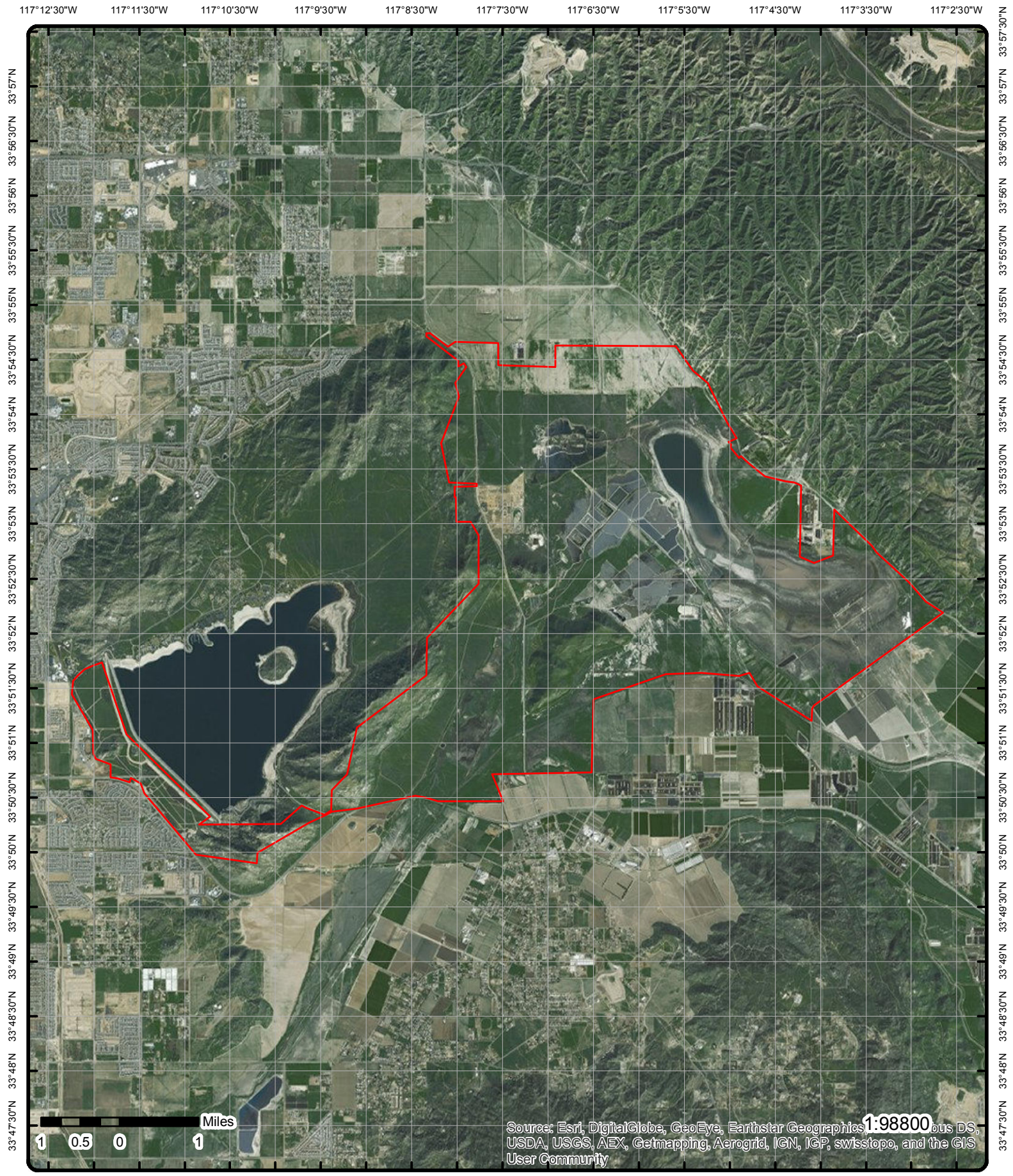


Map : 0.25 Mile Radius

Order No: 20160916107
 Address: n/a, Riverside County, CA



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		



Aerial

Address: n/a, Riverside County, CA

Source: ESRI World Imagery

Order No: 20160916107



© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
1	1 of 2	-	0.00 / 0.00	1,505.05	SAN JACINTO WILDLIFE AREA 17050 DAVIS RD LAKEVIEW CA 92567	FINDS/FRS
Registry ID: FIPS Code: Program Acronyms: HUC Code: Site Type Name: EPA Region Code: Conveyor: County Name: Source: SIC Codes: SIC Code Descriptions: Federal Facility Code: NAICS Codes: NAICS Code Descriptions: Federal Agency Name: US/Mexico Border Ind: Congressional Dist No: Census Block Code: Create Date: Update Date: Location Description: Supplemental Location: Tribal Land Code: Tribal Land Name: Latitude: Longitude: Coord Collection Method: Accuracy Value: Datum: Reference Point: Interest Types: Facility Detail Rprt URL:		110066177283 CA-ENVIROVIEW 18070202 STATIONARY 09 FRS-GEOCODE RIVERSIDE 45 060650426231010 14-OCT-2015 10:18:06 17050 DAVIS RD 33.874859 -117.124008 ADDRESS MATCHING-HOUSE NUMBER 50 NAD83 ENTRANCE POINT OF A FACILITY OR STATION STATE MASTER http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066177283				

1	2 of 2	-	0.00 / 0.00	1,505.05	San Jacinto Wildlife Area 17050 Davis Rd Lakeview CA 92567	RIVERSIDE HZH
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2	1 of 5	-	0.00 / 0.00	1,498.47	DOUBLE BAR S RANCHNA LLC 16200 DAVIS RD MORENO VALLEY CA 92555	FINDS/FRS
Registry ID: FIPS Code: Program Acronyms: HUC Code: Site Type Name: EPA Region Code: Conveyor: County Name:		110065967797 CA-ENVIROVIEW 18070202 STATIONARY 09 FRS-GEOCODE RIVERSIDE				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Source: SIC Codes: SIC Code Descriptions: Federal Facility Code: NAICS Codes: NAICS Code Descriptions: Federal Agency Name: US/Mexico Border Ind: Congressional Dist No: 45 Census Block Code: 060650426241079 Create Date: 14-OCT-2015 09:13:55 Update Date: Location Description: Supplemental Location: 16200 DAVIS RD Tribal Land Code: Tribal Land Name: Latitude: 33.88556 Longitude: -117.12489 Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 30 Datum: NAD83 Reference Point: CENTER OF A FACILITY OR STATION Interest Types: STATE MASTER Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065967797						

2	2 of 5	-	0.00 / 0.00	1,498.47	RECLAMNAMOORENO VALLEY STPNAEMWD 16200 DAVIS ROAD MORENO VALLEY CA 92353	FINDS/FRS
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Registry ID: 110066110158 FIPS Code: Program Acronyms: CA-ENVIROVIEW HUC Code: 18070202 Site Type Name: STATIONARY EPA Region Code: 09 Conveyor: FRS-GEOCODE County Name: RIVERSIDE COUNTY Source: SIC Codes: 0139 SIC Code Descriptions: FIELD CROPS, EXCEPT CASH GRAINS, NOT ELSEWHERE CLASSIFIED Federal Facility Code: NAICS Codes: NAICS Code Descriptions: Federal Agency Name: US/Mexico Border Ind: Congressional Dist No: 45 Census Block Code: 060650426241079 Create Date: 14-OCT-2015 09:55:58 Update Date: Location Description: Supplemental Location: 16200 DAVIS ROAD Tribal Land Code: Tribal Land Name: Latitude: 33.88556 Longitude: -117.12489 Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 30 Datum: NAD83 Reference Point: CENTER OF A FACILITY OR STATION Interest Types: STATE MASTER Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066110158						
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2	3 of 5	-	0.00 / 0.00	1,498.47	Double Bar S Ranch, LLC	RIVERSIDE HWG
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
					16200 Davis Rd Moreno Valley CA 92555	
2	4 of 5	-	0.00 / 0.00	1,498.47	Double Bar S Ranch, LLC 16200 Davis Rd Moreno Valley CA 92555	RIVERSIDE HZH
2	5 of 5	-	0.00 / 0.00	1,498.47	DOUBLE BAR S RANCH LLC 16200 DAVIS RD MORENO VALLEY CA 925550000	HAZNET
SIC Code:		0752		Mailing City:		MORENO VALLEY
NAICS Code:		81291		Mailing State:		CA
EPA ID:		CAL000082762		Mailing Zip:		925550000
Create Date:		6/8/1993		Region Code:		4
Fac Act Ind:		Yes		Owner Name:		DOUBLE BAR S RANCH LLC
Inact Date:				Owner Addr 1:		16200 DAVIS RD
File Source:		File Sent By Department		Owner Addr 2:		
County Code:		33		Owner City:		MORENO VALLEY
County Name:		Riverside		Owner State:		CA
Mail Name:				Owner Zip:		925557700
Mailing Addr 1:		16200 DAVIS RD		Owner Phone:		9519281728
Mailing Addr 2:				Owner Fax:		0000000000
Contact Information						
Contact Name:		TANYA MANLEY, OFFICE MANAGER				
Street Address 1:		16200 DAVIS RD				
Street Address 2:						
City:		MORENO VALLEY				
State:		CA				
Zip:		925557700				
Phone:		9519281728				
Tanner Information						
Generator EPA ID:		CAL000082762				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		223				
State Waste Code Desc.:		Unspecified oil-containing waste				
Method Code:		R01				
Method Description:		Recycler				
Tons:		2.7105				
Year:		2005				
8	1 of 12	-	0.00 / 0.00	1,508.29	MORENO COMPRESSOR STATION 14601 VIRGINIA ST. MORENO VALLEY CA 92360	AST
Total Capacity(Gal):		20,365		Owner Name:		SAN DIEGO GAS & ELECTRIC
CUPA:		Riverside		County:		Riverside
8	2 of 12	-	0.00 / 0.00	1,508.29	SAN DIEGO GAS & ELECTRIC - MORENO	FINDS/FRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
					14601 VIRGINIA STREET MORENO VALLEY CA 92555-8100	
					Registry ID: 110009534236 FIPS Code: 06065 Program Acronyms: BR, E-GGRT, EIS, HWTS-DATAMART, RCRAINFO HUC Code: 18070202 Site Type Name: STATIONARY EPA Region Code: 09 Conveyor: FRS-GEOCODE County Name: RIVERSIDE Source: SIC Codes: SIC Code Descriptions: Federal Facility Code: NAICS Codes: 221121, 486210 NAICS Code Descriptions: ELECTRIC BULK POWER TRANSMISSION AND CONTROL., PIPELINE TRANSPORTATION OF NATURAL GAS. Federal Agency Name: US/Mexico Border Ind: Congressional Dist No: 45 Census Block Code: 060650426241037 Create Date: 01-MAR-2000 00:00:00 Update Date: 14-APR-2015 22:58:50 Location Description: Supplemental Location: 14601 VIRGINIA STREET Tribal Land Code: Tribal Land Name: Latitude: 33.90891 Longitude: -117.121008 Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 50 Datum: NAD83 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Interest Types: GREENHOUSE GAS REPORTER, HAZARDOUS AIR POLLUTANT MAJOR, HAZARDOUS WASTE BIENNIAL REPORTER, LQG, STATE MASTER Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110009534236	

<u>8</u>	3 of 12	-	0.00 / 0.00	1,508.29	SDG&E - MORENO COMPRESSOR STATION 14601 VIRGINIA ST MORENO VALLEY CA 92555	FINDS/FRS
					Registry ID: 110055678057 FIPS Code: 33 Program Acronyms: CA-CERS, CA-ENVIROVIEW HUC Code: 18070202 Site Type Name: STATIONARY EPA Region Code: 09 Conveyor: FRS-GEOCODE County Name: RIVERSIDE Source: SIC Codes: 4923 SIC Code Descriptions: NATURAL GAS TRANSMISSION AND DISTRIBUTION Federal Facility Code: NAICS Codes: NAICS Code Descriptions: Federal Agency Name: US/Mexico Border Ind: Congressional Dist No: 45 Census Block Code: 060650426241037 Create Date: 15-SEP-2013 11:21:00 Update Date: 15-OCT-2015 07:18:13 Location Description: Supplemental Location: 14601 VIRGINIA ST Tribal Land Code:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Tribal Land Name:						
Latitude:		33.90891				
Longitude:		-117.121008				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		50				
Datum:		NAD83				
Reference Point:		ENTRANCE POINT OF A FACILITY OR STATION				
Interest Types:		STATE MASTER				
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110055678057				

8	4 of 12	-	0.00 / 0.00	1,508.29	MORENO VALLEY COMP STA (BR PONDS) 14601 VIRGINIA MORENO VALLEY CA 92555	FINDS/FRS
Registry ID:		110066649531				
FIPS Code:						
Program Acronyms:		CA-ENVIROVIEW				
HUC Code:		18070202				
Site Type Name:		STATIONARY				
EPA Region Code:		09				
Conveyor:		FRS-GEOCODE				
County Name:		RIVERSIDE				
Source:						
SIC Codes:						
SIC Code Descriptions:						
Federal Facility Code:						
NAICS Codes:						
NAICS Code Descriptions:						
Federal Agency Name:						
US/Mexico Border Ind:						
Congressional Dist No:		45				
Census Block Code:		060650426241037				
Create Date:		14-OCT-2015 12:32:25				
Update Date:						
Location Description:						
Supplemental Location:		14601 VIRGINIA				
Tribal Land Code:						
Tribal Land Name:						
Latitude:		33.90891				
Longitude:		-117.121008				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		50				
Datum:		NAD83				
Reference Point:		ENTRANCE POINT OF A FACILITY OR STATION				
Interest Types:		STATE MASTER				
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066649531				

8	5 of 12	-	0.00 / 0.00	1,508.29	MORENO VALLLEY COMPRESSOR STATION 14601 VIRGINIA MORENO VALLEY CA 92555	FINDS/FRS
Registry ID:		110066594518				
FIPS Code:						
Program Acronyms:		CA-ENVIROVIEW				
HUC Code:		18070202				
Site Type Name:		STATIONARY				
EPA Region Code:		09				
Conveyor:		FRS-GEOCODE				
County Name:		RIVERSIDE COUNTY				
Source:						
SIC Codes:		4911, 4923				
SIC Code Descriptions:		ELECTRIC SERVICES, NATURAL GAS TRANSMISSION AND DISTRIBUTION				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Federal Facility Code: NAICS Codes: NAICS Code Descriptions: Federal Agency Name: US/Mexico Border Ind: Congressional Dist No: 45 Census Block Code: 060650426241037 Create Date: 14-OCT-2015 12:15:36 Update Date: Location Description: Supplemental Location: 14601 VIRGINIA Tribal Land Code: Tribal Land Name: Latitude: 33.90891 Longitude: -117.121008 Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 50 Datum: NAD83 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Interest Types: STATE MASTER Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066594518						

8	6 of 12	-	0.00 / 0.00	1,508.29	SAN DIEGO GAS & ELECTRIC-MORENO VALLEY 14601 VIRGINIA & ALESSANDRO MORENO VALLEY CA 925558100	FINDS/FRS
Registry ID: 110002065782 FIPS Code: 06065 Program Acronyms: AIR, AIRS/AFS HUC Code: 18070202 Site Type Name: STATIONARY EPA Region Code: 09 Conveyor: FRS County Name: RIVERSIDE Source: SIC Codes: 4923 SIC Code Descriptions: NATURAL GAS TRANSMISSION AND DISTRIBUTION Federal Facility Code: NAICS Codes: 486210 NAICS Code Descriptions: PIPELINE TRANSPORTATION OF NATURAL GAS. Federal Agency Name: US/Mexico Border Ind: Congressional Dist No: 45 Census Block Code: 060650426241037 Create Date: 01-MAR-2000 00:00:00 Update Date: 09-JAN-2015 20:32:06 Location Description: Supplemental Location: 14601 VIRGINIA & ALESSANDRO Tribal Land Code: Tribal Land Name: Latitude: 33.91944 Longitude: -117.12115 Coord Collection Method: ADDRESS MATCHING-NEAREST INTERSECTION Accuracy Value: 200 Datum: NAD83 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Interest Types: AIR MAJOR Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002065782						

8	7 of 12	-	0.00 / 0.00	1,508.29	14601 VIRGINIA ST BOX 114 MORENO VALLEY CA 925550000	HIST MANIFEST
Gen EPA ID: CAD981168289						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Create Date:		04/10/1987	0:00			
Inact Date:						
Facility Mail Street:		6875 CONSOLIDATED WAY # SD1373				
Facility Mail City:		SAN DIEGO				
Facility Mail State:		CA				
Facility Mail Zip:		921212602				
Contact Phone(s):		8586533104				
File Year(s):		1986; 1987; 1988; 1989; 1990; 1991; 1992				
Contact Name(s):		JAMES SCRUGGS				
Tanner Information						
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAT000646117				
TSD County Code:		16				
TSD County:		Kings				
State Waste Code:		132				
State Waste Code Desc.:		Aqueous solution with metals (< restricted levels and see 121)				
Method Code:						
Method Description:						
Tons:		0.29				
Year:		1988				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAD095894556				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		132				
State Waste Code Desc.:		Aqueous solution with metals (< restricted levels and see 121)				
Method Code:		D99				
Method Description:		Disposal, other				
Tons:		1.23				
Year:		1989				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAD000633164				
TSD County Code:		13				
TSD County:		Imperial				
State Waste Code:		132				
State Waste Code Desc.:		Aqueous solution with metals (< restricted levels and see 121)				
Method Code:		D83				
Method Description:		Disposal, surface impoundment				
Tons:		27.1				
Year:		1987				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAD095894556				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		99				
Method Description:						
Tons:		0.02				
Year:		1989				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAT000646117				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			133			
State Waste Code Desc.:			Aqueous solution with total organic residues 10 percent or more			
Method Code:			UNK			
Method Description:			Not specified			
Tons:			16.9			
Year:			1987			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			133			
State Waste Code Desc.:			Aqueous solution with total organic residues 10 percent or more			
Method Code:			T01			
Method Description:			Treatment, tank			
Tons:			12.51			
Year:			1988			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			133			
State Waste Code Desc.:			Aqueous solution with total organic residues 10 percent or more			
Method Code:			T01			
Method Description:			Treatment, tank			
Tons:			14.59			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			133			
State Waste Code Desc.:			Aqueous solution with total organic residues 10 percent or more			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			14.69			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			133			
State Waste Code Desc.:			Aqueous solution with total organic residues 10 percent or more			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			68.8			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT080013352			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			134			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.35			
Year:			1988			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD097030993			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			141			
State Waste Code Desc.:			Off-specification, aged or surplus inorganics			
Method Code:			T01			
Method Description:			Treatment, tank			
Tons:			0.16			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD000633164			
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:			3			
Method Description:						
Tons:			0.15			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD000633164			
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:						
Method Description:						
Tons:			0.4			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			UTD991301748			
TSD County Code:			99			
TSD County:			Unknown			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:						
Method Description:						
Tons:			0.1			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:			H01			
Method Description:			Transfer station			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Tons:			0.05			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.17			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			0.03			
Year:			1991			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			99			
Method Description:						
Tons:			0.2			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			3			
Method Description:						
Tons:			12.64			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:						
Method Description:						
Tons:			12.64			
Year:			1989			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			UNK			
Method Description:			Not specified			
Tons:			0.6			
Year:			1988			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			25.28			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			55.62			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			211			
State Waste Code Desc.:			Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.1			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			212			
State Waste Code Desc.:			Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.03			
Year:			1987			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			212			
State Waste Code Desc.:			Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.44			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			212			
State Waste Code Desc.:			Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.15			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			213			
State Waste Code Desc.:			Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.22			
Year:			1988			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			214			
State Waste Code Desc.:			Unspecified solvent mixture			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.43			
Year:			1987			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			214			
State Waste Code Desc.:			Unspecified solvent mixture			
Method Code:			R01			
Method Description:			Recycler			
Tons:			16.56			
Year:			1991			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code:			214			
State Waste Code Desc.:			Unspecified solvent mixture			
Method Code:			R01			
Method Description:			Recycler			
Tons:			1.74			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			214			
State Waste Code Desc.:			Unspecified solvent mixture			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.22			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			214			
State Waste Code Desc.:			Unspecified solvent mixture			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			3.33			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:						
TSD County Code:			0			
TSD County:						
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:						
Method Description:						
Tons:			2.5			
Year:			1986			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT080013352			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			5.83			
Year:			1987			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT080013352			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Method Description:			Recycler			
Tons:			2.91			
Year:			1988			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			20.74			
Year:			1991			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			53.59			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000613547			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			1.25			
Year:			1987			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			16.68			
Year:			1987			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.22			
Year:			1989			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev (ft)</i>	<i>Site</i>	<i>DB</i>
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.86			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD000633164			
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			3			
Method Description:						
Tons:			0.6			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT080013352			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.33			
Year:			1988			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT080011059			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			R01			
Method Description:			Recycler			
Tons:			15.08			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD000633164			
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			1.05			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			331			
State Waste Code Desc.:			Off-specification, aged or surplus organics			
Method Code:			99			
Method Description:						
Tons:			0.45			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			331			
State Waste Code Desc.:			Off-specification, aged or surplus organics			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.07			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			341			
State Waste Code Desc.:			Organic liquids (nonsolvents) with halogens			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.05			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			341			
State Waste Code Desc.:			Organic liquids (nonsolvents) with halogens			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.37			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			343			
State Waste Code Desc.:			Unspecified organic liquid mixture			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			4.47			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD County:		Kings				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:						
Method Description:						
Tons:		0.8				
Year:		1988				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAT000646117				
TSD County Code:		16				
TSD County:		Kings				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:						
Method Description:						
Tons:		1.4				
Year:		1989				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAT000646117				
TSD County Code:		16				
TSD County:		Kings				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:						
Method Description:						
Tons:		5				
Year:		1991				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAT000646117				
TSD County Code:		16				
TSD County:		Kings				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:						
Method Description:						
Tons:		1.2				
Year:		1992				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		UTD991301748				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:						
Method Description:						
Tons:		0.7				
Year:		1992				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAD095894556				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.4			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			2			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			1.4			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			1.4			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			8.9			
Year:			1987			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			0.4			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Year:			1988			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			UTD991301748			
TSD County Code:			99			
TSD County:			Unknown			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			0.6			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			T01			
Method Description:			Treatment, tank			
Tons:			10.42			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.22			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.77			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD000631640			
TSD County Code:			0			
TSD County:						
State Waste Code:			611			
State Waste Code Desc.:			Contaminated soil from site clean-up			
Method Code:			3			
Method Description:						
Tons:			8.42			
Year:			1987			
Generator EPA ID:			CAD981168289			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAT000646117				
TSD County Code:		16				
TSD County:		Kings				
State Waste Code:		611				
State Waste Code Desc.:		Contaminated soil from site clean-up				
Method Code:						
Method Description:						
Tons:		0.3				
Year:		1991				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAD000633164				
TSD County Code:		13				
TSD County:		Imperial				
State Waste Code:		611				
State Waste Code Desc.:		Contaminated soil from site clean-up				
Method Code:		D80				
Method Description:		Disposal, landfill				
Tons:		25.28				
Year:		1987				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAT000646117				
TSD County Code:		16				
TSD County:		Kings				
State Waste Code:		611				
State Waste Code Desc.:		Contaminated soil from site clean-up				
Method Code:		D80				
Method Description:		Disposal, landfill				
Tons:		30.34				
Year:		1989				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAT000646117				
TSD County Code:		16				
TSD County:		Kings				
State Waste Code:		751				
State Waste Code Desc.:		Solids or sludges with halogenated organic compounds >= 1,000 Mg./L				
Method Code:						
Method Description:						
Tons:		1.2				
Year:		1988				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAT000646117				
TSD County Code:		16				
TSD County:		Kings				
State Waste Code:		751				
State Waste Code Desc.:		Solids or sludges with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		UNK				
Method Description:		Not specified				
Tons:		2				
Year:		1988				
Generator EPA ID:		CAD981168289				
Generator County Code:		37				
Generator County:		San Diego				
TSD EPA ID:		CAD000633164				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1987			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD000633164			
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1987			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1988			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1990			
Generator EPA ID:						
CAD981168289						
Generator County Code:						
37						
Generator County:						
San Diego						
TSD EPA ID:						
CAT000646117						
TSD County Code:						
16						
TSD County:						
Kings						
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1991			
Generator EPA ID:						
CAD981168289						
Generator County Code:						
37						
Generator County:						
San Diego						
TSD EPA ID:						
CAT000646117						
TSD County Code:						
16						
TSD County:						
Kings						
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1992			
Generator EPA ID:						
CAD981168289						
Generator County Code:						
37						
Generator County:						
San Diego						
TSD EPA ID:						
CAD008302903						
TSD County Code:						
19						
TSD County:						
Los Angeles						
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1987			
Generator EPA ID:						
CAD981168289						
Generator County Code:						
37						
Generator County:						
San Diego						
TSD EPA ID:						
CAT080013352						
TSD County Code:						
19						
TSD County:						
Los Angeles						
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1987			
Generator EPA ID:						
CAD981168289						
Generator County Code:						
37						
Generator County:						
San Diego						
TSD EPA ID:						
CAD008302903						
TSD County Code:						
19						
TSD County:						
Los Angeles						
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Tons:			0			
Year:			1988			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT080013352			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1988			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1991			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD097030993			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT080011059			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1992			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAT000613547			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1987			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1989			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			CAD095894556			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1990			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:			UTD991301748			
TSD County Code:			99			
TSD County:			Unknown			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1992			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			
TSD EPA ID:						
TSD County Code:			0			
TSD County:						
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1986			
Generator EPA ID:			CAD981168289			
Generator County Code:			37			
Generator County:			San Diego			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD EPA ID: TSD County Code: TSD County: State Waste Code: State Waste Code Desc.: Method Code: Method Description: Tons: Year:		CAD000631640 0 0 1987				
8	8 of 12	-	0.00 / 0.00	1,508.29	SDG&E c/o So Calif Gas - Moreno Compressor Station 14601 Virginia St Moreno Valley CA 92555-8100	RIVERSIDE HWG
8	9 of 12	-	0.00 / 0.00	1,508.29	SDG&E c/o So Calif Gas - Moreno Compressor Station 14601 Virginia St Moreno Valley CA 92555-8100	RIVERSIDE HZH
8	10 of 12	-	0.00 / 0.00	1,508.29	SAN DIEGO GAS & ELECTRIC-MORENO VALLEY 14601 VIRGINIA & ALESSANDRO MORENO VALLEY CA 925558100	ICIS
EPA Region: FRS Facility UIN: Program Syst ID: Prog Sys Acronym: Permit Type:		09 110002065782 CASCA0000606500024 AIR			Federal Facility ID: Tribal Land Code: County: Latitude: Longitude:	Riverside 33.91944 -117.12115
--- Details ---						
EA Identifier:		CASCAA0000060650002400094			Enf Act Forum Dsc:	Administrative - Informal
EA Type Code:		NOV			Fac NAICS Code:	486210
EA Type Desc:		Notice of Violation			Facility SIC Code:	4923
EA Name:		SAN DIEGO GAS & ELECTRIC-MORENO VALLEY 060650002400094				
+						
EA Identifier:		CASCAA0000060650002400032			Enf Act Forum Dsc:	Administrative - Informal
EA Type Code:		NOV			Fac NAICS Code:	486210
EA Type Desc:		Notice of Violation			Facility SIC Code:	4923
EA Name:		SAN DIEGO GAS & ELECTRIC-MORENO VALLEY 060650002400032				
+						
EA Identifier:		CASCAA0000060650002400018			Enf Act Forum Dsc:	Administrative - Informal
EA Type Code:		NOV			Fac NAICS Code:	486210
EA Type Desc:		Notice of Violation			Facility SIC Code:	4923
EA Name:		SAN DIEGO GAS & ELECTRIC-MORENO VALLEY 060650002400018				
+						
EA Identifier:		CASCAA0000060650002400095			Enf Act Forum Dsc:	Administrative - Formal
EA Type Code:		SCAAO			Fac NAICS Code:	486210
EA Type Desc:		Administrative Order			Facility SIC Code:	4923

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
EA Name:	SAN DIEGO GAS & ELECTRIC-MORENO VALLEY 060650002400095					
+						
EA Identifier:	CASCAA0000060650002400019				Enf Act Forum Dsc:	Administrative - Formal
EA Type Code:	SCAAAO				Fac NAICS Code:	486210
EA Type Desc:	Administrative Order				Facility SIC Code:	4923
EA Name:	SAN DIEGO GAS & ELECTRIC-MORENO VALLEY 060650002400019					
+						
EA Identifier:	CASCAA0000060650002400033				Enf Act Forum Dsc:	Administrative - Formal
EA Type Code:	SCAAAO				Fac NAICS Code:	486210
EA Type Desc:	Administrative Order				Facility SIC Code:	4923
EA Name:	SAN DIEGO GAS & ELECTRIC-MORENO VALLEY 060650002400033					

8	11 of 12	-	0.00 / 0.00	1,508.29	SAN DIEGO GAS & ELECTRIC 14601 VIRGINIA ST BOX 114 MORENO VALLEY CA 925550000	HAZNET
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SIC Code:	4939	Mailing City:	SAN DIEGO
NAICS Code:	221111	Mailing State:	CA
EPA ID:	CAD981168289	Mailing Zip:	921212602
Create Date:	4/10/1987	Region Code:	4
Fac Act Ind:	Yes	Owner Name:	SAN DIEGO GAS AND ELECTRIC
Inact Date:		Owner Addr 1:	6875 CONSOLIDATED WAY # SD1373
File Source:	File Sent By Department	Owner Addr 2:	
County Code:	33	Owner City:	SAN DIEGO
County Name:	Riverside	Owner State:	CA
Mail Name:		Owner Zip:	921212602
Mailing Addr 1:	6875 CONSOLIDATED WAY # SD1373	Owner Phone:	8586533104
Mailing Addr 2:		Owner Fax:	8585496529

Contact Information

Contact Name:	JAMES SCRUGGS
Street Address 1:	6875 CONSOLIDATED WAY, SD1373
Street Address 2:	
City:	SAN DIEGO
State:	CA
Zip:	921212602
Phone:	8586533104

Tanner Information

Generator EPA ID:	CAD981168289
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAD981168107
TSD County Code:	37
TSD County:	San Diego
State Waste Code:	***
State Waste Code Desc.:	Invalid waste code
Method Code:	
Method Description:	
Tons:	0.1626
Year:	1995

Generator EPA ID:	CAD981168289
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAD981168107
TSD County Code:	37
TSD County:	San Diego
State Waste Code:	122
State Waste Code Desc.:	Alkaline solution without metals pH >= 12.5
Method Code:	H01

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Method Description:			Transfer station			
Tons:			0.0295			
Year:			1997			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			122			
State Waste Code Desc.:			Alkaline solution without metals pH >= 12.5			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.165			
Year:			2002			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			122			
State Waste Code Desc.:			Alkaline solution without metals pH >= 12.5			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.1875			
Year:			2012			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD028409019			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			133			
State Waste Code Desc.:			Aqueous solution with total organic residues 10 percent or more			
Method Code:			T01			
Method Description:			Treatment, tank			
Tons:			0.2293			
Year:			1994			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613893			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.0462			
Year:			1998			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613893			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.3234			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Year:			2000			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613893			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.0714			
Year:			2001			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613927			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.3654			
Year:			2000			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613927			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.3696			
Year:			2001			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613927			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.4494			
Year:			2002			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613927			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.4074			
Year:			2003			
Generator EPA ID:			CAD981168289			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613927			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.168			
Year:			2004			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.2			
Year:			2007			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			3.6335			
Year:			2009			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.042			
Year:			2010			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.688			
Year:			2011			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.417			
Year:			2012			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			134			
State Waste Code Desc.:			Aqueous solution with total organic residues less than 10 percent			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.5215			
Year:			2013			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			141			
State Waste Code Desc.:			Off-specification, aged or surplus inorganics			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.064			
Year:			1997			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD000633164			
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:						
Method Description:						
Tons:			0.2			
Year:			1994			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.0975			
Year:			1997			
Generator EPA ID:			CAD981168289			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.042			
Year:			1996			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.075			
Year:			2001			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD000633164			
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			0.15			
Year:			1993			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.1			
Year:			2007			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD980675276			
TSD County Code:			15			
TSD County:			Kern			
State Waste Code:			151			
State Waste Code Desc.:			Asbestos containing waste			
Method Code:			H132			
Method Description:			LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)			
Tons:			0.15			
Year:			2014			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator County:		Riverside				
TSD EPA ID:		HYHQ36007729				
TSD County Code:						
TSD County:						
State Waste Code:		181				
State Waste Code Desc.:		Other inorganic solid waste				
Method Code:						
Method Description:						
Tons:		0.1125				
Year:		2005				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		181				
State Waste Code Desc.:		Other inorganic solid waste				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		1.0565				
Year:		1998				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		181				
State Waste Code Desc.:		Other inorganic solid waste				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.0325				
Year:		1996				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		181				
State Waste Code Desc.:		Other inorganic solid waste				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		1.6945				
Year:		2002				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		181				
State Waste Code Desc.:		Other inorganic solid waste				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		4.3455				
Year:		2004				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD County:			San Diego			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.0275			
Year:			2006			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.0125			
Year:			1993			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.084			
Year:			2002			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.0815			
Year:			2005			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD000633164			
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			0.1			
Year:			1994			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			10.5			
Year:			2003			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.375			
Year:			2014			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.225			
Year:			2006			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.43			
Year:			2007			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.4075			
Year:			2008			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			181			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.335			
Year:			2009			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.1375			
Year:			2010			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.2			
Year:			2011			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.355			
Year:			2012			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			181			
State Waste Code Desc.:			Other inorganic solid waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.1125			
Year:			2013			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD County:			Los Angeles			
State Waste Code:			211			
State Waste Code Desc.:			Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)			
Method Code:						
Method Description:						
Tons:			0.0542			
Year:			1994			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			211			
State Waste Code Desc.:			Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)			
Method Code:			R01			
Method Description:			Recycler			
Tons:			7.0431			
Year:			1993			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			211			
State Waste Code Desc.:			Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.2293			
Year:			1994			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613893			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			212			
State Waste Code Desc.:			Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)			
Method Code:						
Method Description:						
Tons:			0.018			
Year:			2001			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613893			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			212			
State Waste Code Desc.:			Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.1015			
Year:			1995			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613893			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			212			
State Waste Code Desc.:			Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.085			
Year:			1998			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613893			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			212			
State Waste Code Desc.:			Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.029			
Year:			1996			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613893			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			212			
State Waste Code Desc.:			Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.072			
Year:			1999			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613893			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			212			
State Waste Code Desc.:			Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.09			
Year:			2001			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613893			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			212			
State Waste Code Desc.:			Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.0135			
Year:			2003			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			213			
State Waste Code Desc.:			Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Tons:			0.22			
Year:			2009			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			213			
State Waste Code Desc.:			Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			1.883			
Year:			2010			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			213			
State Waste Code Desc.:			Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			1.2885			
Year:			2011			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			UTD981552177			
TSD County Code:			99			
TSD County:			Unknown			
State Waste Code:			213			
State Waste Code Desc.:			Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)			
Method Code:			H040			
Method Description:			INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL			
Tons:			10.425			
Year:			2010			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			214			
State Waste Code Desc.:			Unspecified solvent mixture			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.3384			
Year:			1993			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			214			
State Waste Code Desc.:			Unspecified solvent mixture			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.1404			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Year:			1994			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			214			
State Waste Code Desc.:			Unspecified solvent mixture			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.0468			
Year:			1995			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			214			
State Waste Code Desc.:			Unspecified solvent mixture			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.2275			
Year:			2003			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			214			
State Waste Code Desc.:			Unspecified solvent mixture			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.215			
Year:			2004			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			214			
State Waste Code Desc.:			Unspecified solvent mixture			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.1728			
Year:			2005			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:						
Method Description:						
Tons:			0.418			
Year:			1993			
Generator EPA ID:			CAD981168289			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD028409019				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:						
Method Description:						
Tons:		5.985				
Year:		2014				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:						
Method Description:						
Tons:		9.652				
Year:		1995				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:						
Method Description:						
Tons:		0.337				
Year:		2001				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:						
Method Description:						
Tons:		2.8175				
Year:		2005				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		HYHQ36007729				
TSD County Code:						
TSD County:						
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:						
Method Description:						
Tons:		14.5575				
Year:		2005				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD008302903				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			47.576			
Year:			1993			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			5.396			
Year:			1994			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.2584			
Year:			1995			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.72			
Year:			2002			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			1.758			
Year:			2003			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			HYHQ36007729			
TSD County Code:						
TSD County:						
State Waste Code:			221			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			3.81			
Year:			2005			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			5.3405			
Year:			1995			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			13.291			
Year:			1997			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			16.6745			
Year:			1998			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			10.8405			
Year:			1996			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Tons:			21.6635			
Year:			1999			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			25.4295			
Year:			2000			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			17.767			
Year:			2001			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			13.5065			
Year:			2002			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			19.2925			
Year:			2003			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			23.7865			
Year:			2004			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			5.71			
Year:			2005			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			11.9225			
Year:			2006			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			6.975			
Year:			1997			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			7.13			
Year:			1998			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			2.635			
Year:			1999			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			9.525			
Year:			2002			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			9.2865			
Year:			2003			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			13.1024			
Year:			2006			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981696420			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			6.84			
Year:			2013			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD028409019			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			13.12			
Year:			2014			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			7.2975			
Year:			2014			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			14.26			
Year:			2006			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			35.486			
Year:			2007			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			30.307			
Year:			2008			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			10.245			
Year:			2009			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		22.44				
Year:		2010				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		14.593				
Year:		2011				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		29.55				
Year:		2012				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		47.203				
Year:		2013				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		2.398				
Year:		2014				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD000633164			
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:						
Method Description:						
Tons:			0.3			
Year:			1993			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080011059			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			R01			
Method Description:			Recycler			
Tons:			18.765			
Year:			1993			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.15			
Year:			1998			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			D99			
Method Description:			Disposal, other			
Tons:			0.215			
Year:			2002			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD000633164			
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			0.95			
Year:			1993			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.08			
Year:			2008			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.1045			
Year:			2012			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.834			
Year:			2013			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD980675276			
TSD County Code:			15			
TSD County:			Kern			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			H132			
Method Description:			LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)			
Tons:			35.445			
Year:			2012			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD980675276			
TSD County Code:			15			
TSD County:			Kern			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			H132			
Method Description:			LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)			
Tons:			16.5105			
Year:			2014			
Generator EPA ID:			CAD981168289			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			331			
State Waste Code Desc.:			Off-specification, aged or surplus organics			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.325			
Year:			1995			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			331			
State Waste Code Desc.:			Off-specification, aged or surplus organics			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.0985			
Year:			1999			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			331			
State Waste Code Desc.:			Off-specification, aged or surplus organics			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.0325			
Year:			2000			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			331			
State Waste Code Desc.:			Off-specification, aged or surplus organics			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.2			
Year:			2003			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			331			
State Waste Code Desc.:			Off-specification, aged or surplus organics			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.05			
Year:			2009			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			331			
State Waste Code Desc.:			Off-specification, aged or surplus organics			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.1255			
Year:			2010			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			343			
State Waste Code Desc.:			Unspecified organic liquid mixture			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.225			
Year:			2002			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			343			
State Waste Code Desc.:			Unspecified organic liquid mixture			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.2295			
Year:			2008			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			343			
State Waste Code Desc.:			Unspecified organic liquid mixture			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			1.4945			
Year:			2010			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD000633164			
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:						
Method Description:						
Tons:			0.4			
Year:			1994			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:						
Method Description:						
Tons:			0.95			
Year:			1995			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			HYHQ36007729			
TSD County Code:						
TSD County:						
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:						
Method Description:						
Tons:			1.2625			
Year:			2005			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			T03			
Method Description:			Treatment, incineration			
Tons:			0.15			
Year:			1994			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.125			
Year:			1995			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.1			
Year:			1995			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.6445			
Year:			1997			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.574			
Year:			1998			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.798			
Year:			1996			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.9435			
Year:			1999			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.2405			
Year:			2000			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Method Description:			Transfer station			
Tons:			3.666			
Year:			2001			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			5.6415			
Year:			2002			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.931			
Year:			2003			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.141			
Year:			2004			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.5935			
Year:			2005			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.2875			
Year:			2006			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev (ft)</i>	<i>Site</i>	<i>DB</i>
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD000633164			
TSD County Code:			13			
TSD County:			Imperial			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			0.03			
Year:			1994			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			267.84			
Year:			2001			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			UTD991301748			
TSD County Code:			99			
TSD County:			Unknown			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			0.3			
Year:			1993			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			UTD991301748			
TSD County Code:			99			
TSD County:			Unknown			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			D80			
Method Description:			Disposal, landfill			
Tons:			0.1			
Year:			1994			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			15.1704			
Year:			2007			
Generator EPA ID:			CAD981168289			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.675				
Year:		2006				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.425				
Year:		2007				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.055				
Year:		2008				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.105				
Year:		2009				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.365				
Year:		2010				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.385			
Year:			2011			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			1.467			
Year:			2012			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.4			
Year:			2013			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.2			
Year:			2014			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD980675276			
TSD County Code:			15			
TSD County:			Kern			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H132			
Method Description:			LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Tons:			10.1136			
Year:			2011			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD980675276			
TSD County Code:			15			
TSD County:			Kern			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H132			
Method Description:			LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)			
Tons:			12.642			
Year:			2013			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD980675276			
TSD County Code:			15			
TSD County:			Kern			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H132			
Method Description:			LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)			
Tons:			10.1136			
Year:			2014			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000646117			
TSD County Code:			16			
TSD County:			Kings			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H132			
Method Description:			LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)			
Tons:			16.0132			
Year:			2010			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			UTD981552177			
TSD County Code:			99			
TSD County:			Unknown			
State Waste Code:			352			
State Waste Code Desc.:			Other organic solids			
Method Code:			H040			
Method Description:			INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL			
Tons:			0.175			
Year:			2014			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			461			
State Waste Code Desc.:			Paint sludge			
Method Code:			T03			
Method Description:			Treatment, incineration			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Tons:			0.025			
Year:			1995			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			561			
State Waste Code Desc.:			Detergent waste chemicals			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.053			
Year:			2000			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:						
Method Description:						
Tons:			0.225			
Year:			1999			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:						
Method Description:						
Tons:			0.15			
Year:			2005			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			HYHQ36007729			
TSD County Code:						
TSD County:						
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:						
Method Description:						
Tons:			0.6875			
Year:			2005			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.05			
Year:			1999			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			HYHQ36007729			
TSD County Code:						
TSD County:						
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.1875			
Year:			2005			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.8815			
Year:			1995			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.376			
Year:			1997			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.7495			
Year:			1998			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.1675			
Year:			1996			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.8275			
Year:			1999			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.4998			
Year:			2000			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.5305			
Year:			2001			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.5085			
Year:			2002			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.2317			
Year:			2003			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.918			
Year:			2004			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.59185			
Year:			2005			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.425			
Year:			2006			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD044429835			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			2.14			
Year:			2014			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.185			
Year:			2006			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			1.233			
Year:			2007			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			1.1115			
Year:			2008			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.3055			
Year:			2009			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.3625			
Year:			2010			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.7585			
Year:			2011			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			2.6905			
Year:			2012			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			4.796			
Year:			2013			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			581			
State Waste Code Desc.:			Gas scrubber waste			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.6255			
Year:			2014			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			611			
State Waste Code Desc.:			Contaminated soil from site clean-up			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.0495			
Year:			2010			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			741			
State Waste Code Desc.:			Liquids with halogenated organic compounds >= 1,000 Mg./L			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.15			
Year:			1998			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			741			
State Waste Code Desc.:			Liquids with halogenated organic compounds >= 1,000 Mg./L			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.0675			
Year:			1999			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			741			
State Waste Code Desc.:			Liquids with halogenated organic compounds >= 1,000 Mg./L			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.3925			
Year:			2000			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:			741			
State Waste Code Desc.:			Liquids with halogenated organic compounds >= 1,000 Mg./L			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.7385			
Year:			2002			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD008302903			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			791			
State Waste Code Desc.:			Liquids with pH <= 2			
Method Code:			H141			
Method Description:			STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)			
Tons:			0.085			
Year:			2012			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			1.1467			
Year:			1995			
Generator EPA ID:			CAD981168289			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD981168107			
TSD County Code:			37			
TSD County:			San Diego			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:						
Year: 2009						
Generator EPA ID: CAD981168289						
Generator County Code: 33						
Generator County: Riverside						
TSD EPA ID: CAT000613927						
TSD County Code: 36						
TSD County: San Bernardino						
State Waste Code:						
State Waste Code Desc.:						
Method Code: H01						
Method Description: Transfer station						
Tons:						
Year: 2003						
Generator EPA ID: CAD981168289						
Generator County Code: 33						
Generator County: Riverside						
TSD EPA ID: CAD981168107						
TSD County Code: 37						
TSD County: San Diego						
State Waste Code:						
State Waste Code Desc.:						
Method Code: H01						
Method Description: Transfer station						
Tons: 0.157						
Year: 1995						
Generator EPA ID: CAD981168289						
Generator County Code: 33						
Generator County: Riverside						
TSD EPA ID: CAD981168107						
TSD County Code: 37						
TSD County: San Diego						
State Waste Code:						
State Waste Code Desc.:						
Method Code: H01						
Method Description: Transfer station						
Tons: 0						
Year: 1998						
Generator EPA ID: CAD981168289						
Generator County Code: 33						
Generator County: Riverside						
TSD EPA ID: CAD981168107						
TSD County Code: 37						
TSD County: San Diego						
State Waste Code:						
State Waste Code Desc.:						
Method Code: H01						
Method Description: Transfer station						
Tons:						
Year: 2002						
Generator EPA ID: CAD981168289						
Generator County Code: 33						
Generator County: Riverside						
TSD EPA ID: CAD981168107						
TSD County Code: 37						
TSD County: San Diego						
State Waste Code:						
State Waste Code Desc.:						
Method Code: H01						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Method Description:		Transfer station				
Tons:		0.14				
Year:		2004				
Generator EPA ID:		CAD981168289				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD981168107				
TSD County Code:		37				
TSD County:		San Diego				
State Waste Code:						
State Waste Code Desc.:						
Method Code:		***				
Method Description:		Invalid disposal code				
Tons:						
Year:		2005				

8	12 of 12	-	0.00 / 0.00	1,508.29	SAN DIEGO GAS AND ELECTRIC-MORENO CMP. STATION 14601 VIRGINIA STREET BOX 114 CA 92555	RCRA LQG
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EPA Handler ID: CAD981168289
Current Site Name: SAN DIEGO GAS AND ELECTRIC-MORENO CMP. STATION
Generator Status Universe: Large Quantity Generator
Land Type: Private
Activity Location: CA
TSD Activity: No
Mixed Waste Generator: No
Importer Activity: No
Transporter Activity: No
Transfer Facility: No
Recycler Activity: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Inject Activity: No
Rece Waste From Off Site: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: Yes
Mailing Address: 6875, CONSOLIDATED WAY, SD1373, SAN DIEGO, CA, 92121,
Contact Name: JAMES T SCRUGGS
Contact Address: 6875, CONSOLIDATED WAY, SD1373, SAN DIEGO, CA, 92121,
Contact Email: JSCRUGGS@SEMPRAUTILITIES.COM
Location Street 2:

Owner/Operator Information

Owner/Operator Indicator: CP
Owner/Operator Name: SAN DIEGO GAS AND ELECTRIC
Owner/Operator Address: CONSOLIDATED WAY SD1373 SAN DIEGO CA 92121
Owner/Operator Phone: 8586533104
Owner/Operator Type: P
Date Became Current: 19870410
Date Ended Current:

Owner/Operator Indicator: CP
Owner/Operator Name: NOT REQUIRED
Owner/Operator Address: NOT REQUIRED NOT REQUIRED ME 99999
Owner/Operator Phone: 4155551212
Owner/Operator Type: P

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Date Became Current:						
Date Ended Current:						
Owner/Operator Indicator:		CO				
Owner/Operator Name:		SAN DIEGO G & E				
Owner/Operator Address:		NOT REQUIRED NOT REQUIRED ME 99999				
Owner/Operator Phone:		4155551212				
Owner/Operator Type:		P				
Date Became Current:						
Date Ended Current:						
Owner/Operator Indicator:		CO				
Owner/Operator Name:		SAN DIEGO GAS AND ELECTRIC				
Owner/Operator Address:		CONSOLIDATED WAY SD1373 SAN DIEGO CA 92121				
Owner/Operator Phone:		8586533104				
Owner/Operator Type:		P				
Date Became Current:						
Date Ended Current:						
Owner/Operator Indicator:		CO				
Owner/Operator Name:		SAN DIEGO GAS & ELECTRIC				
Owner/Operator Address:		8316 CENTURY PARK COURT SAN DIEGO CA US 92123				
Owner/Operator Phone:						
Owner/Operator Type:		P				
Date Became Current:						
Date Ended Current:						
Owner/Operator Indicator:		CP				
Owner/Operator Name:		SAN DIEGO GAS & ELECTRIC				
Owner/Operator Address:		US				
Owner/Operator Phone:						
Owner/Operator Type:		P				
Date Became Current:						
Date Ended Current:						
NAICS Information						
Naics Code:		2212				
Naics Description:		NATURAL GAS DISTRIBUTION				
Naics Code:		22121				
Naics Description:		NATURAL GAS DISTRIBUTION				
Naics Code:		221121				
Naics Description:		ELECTRIC BULK POWER TRANSMISSION AND CONTROL				
Handler Information						
Date Received:		20140301				
Facility Name:		SAN DIEGO GAS AND ELECTRIC-MORENO CMP. STATION				
Classification:		Large Quantity Generator				
Date Received:		19900409				
Facility Name:		SDG&E MORENO GAS COMPRESSOR STATION				
Classification:		Large Quantity Generator				
Date Received:		19860103				
Facility Name:		MORENO GAS COMPRESSOR STA				
Classification:		Large Quantity Generator				
Date Received:		20080221				
Facility Name:		SAN DIEGO GAS & ELECTRIC - MORENO				
Classification:		Large Quantity Generator				
Date Received:		19920226				
Facility Name:		MORENO GAS COMPRESSOR STA. SAN DIEGO GAS				
Classification:		Large Quantity Generator				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Date Received:			19940327			
Facility Name:			SDG&E			
Classification:			Large Quantity Generator			
Date Received:			20020213			
Facility Name:			MORENO GAS COMPRESSOR STATION			
Classification:			Small Quantity Generator			
Date Received:			19960901			
Facility Name:			MORENO GAS COMPRESSOR STA			
Classification:			Large Quantity Generator			
Date Received:			20020213			
Facility Name:			MORENO GAS COMPRESSOR STATION			
Classification:			Large Quantity Generator			
Hazardous Waste Information						
Waste Code:			D008			
Waste:			LEAD			
Waste Code:			D018			
Waste:			BENZENE			
Waste Code:			181			
Waste:			from br conversion			
Waste Code:			581			
Waste:			from br conversion			
Waste Code:			352			
Waste:			from br conversion			
Waste Code:			F001			
Waste:			THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.			
Waste Code:			D001			
Waste:			IGNITABLE WASTE			
Violation/Evaluation Information						
Evaluation Start Date:			19930328			
Evaluation Agency:			B			
Evaluation Type Description:			COMPLIANCE EVALUATION INSPECTION ON-SITE			
Violation Short Description:						
Violation Determined Date:						
Actual Return to Compliance Date:						
Violation Responsible Agency:						
Enforcement Action Date:						
Enforcement Agency:						
Disposition Status Date:						
Disposition Status:						
Enforcement Type Description:						
Proposed Penalty Amount:						
Paid Amount:						
Final Amount:						
Evaluation Start Date:			20070608			
Evaluation Agency:			S			
Evaluation Type Description:			COMPLIANCE EVALUATION INSPECTION ON-SITE			
Violation Short Description:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Violation Determined Date: Actual Return to Compliance Date: Violation Responsible Agency: Enforcement Action Date: Enforcement Agency: Disposition Status Date: Disposition Status: Enforcement Type Description: Proposed Penalty Amount: Paid Amount: Final Amount:						
Evaluation Start Date:		20140514				
Evaluation Agency:		S				
Evaluation Type Description:		COMPLIANCE EVALUATION INSPECTION ON-SITE				
Violation Short Description:						
Violation Determined Date:						
Actual Return to Compliance Date:						
Violation Responsible Agency:						
Enforcement Action Date:						
Enforcement Agency:						
Disposition Status Date:						
Disposition Status:						
Enforcement Type Description:						
Proposed Penalty Amount:						
Paid Amount:						
Final Amount:						

9	1 of 2	-	0.00 / 0.00	1,508.76	San Diego Gas & Electric - MORENO VALLEY COMP STA (Br Ponds) 14601 VIRGINIA MORENO VALLEY CA	CLEANUP SITES
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Global ID: L10005582802
Case Type: Land Disposal Site
Status: Open - Operating
Status Date: 2014-12-05 00:00:00
RB Case Number: 8 332020001
LOC Case Number:
CUF Case: NO
County: Riverside
Latitude: 33.9071
Longitude: -117.121
Lead Agency: SANTA ANA RWQCB (REGION 8)
Case Worker: WBR
Local Agency:
File Location: Regional Board
Potential Cntm of Concrn:
Potential Media Affected:

Site History:

BACKGROUND Moreno Valley Compressor Station was built in 1955 and is located in the NE 1/4 of Section 18, T3S, R2W, SBB&M. The facility is owned and operated by San Diego Gas & Electric (SDGE) and is used as part of a natural gas distribution system. Several compressor buildings, cooling towers, two evaporative brine ponds (brine ponds), and other structures exist on the site property. Permitted discharges to the brine ponds include cooling tower blowdown (water condensate), water softener regeneration brines, compressor jacket cooling water, and reverse osmosis brine. The two brine ponds are operated and regulated in accordance with Regional Board Order No. 96-80. Previous Regional Boards orders for the facility were No. 72-28 and No. 88-133. **BRINE PONDS** Brine Pond #1 is 6 ft 6 in deep with 2 ft of freeboard for a total depth of 8ft 6in to the top of its adjacent berm. Brine Pond #2 is 7 ft 1 in deep with 2 ft of freeboard for total depth of 9 ft 1 in to the top of its adjacent berm. In addition, each brine pond has approximate dimensions of 275 ft x 310 ft. This results in a combined capacity of approximately 6.9 million gallons. The original ponds were installed and lined in 1988, with an expected acceptable performance life for the liners of 20 - 25 years. Consequently, SDGE installed new liners in each pond in July/August 2010 directly on top of the existing liners. The liner system for each brine pond consists of an 80-mil high density polyethylene (HDPE) primary liner, an HPDE drainage net, a 60-mil HDPE secondary liner, and a leachate collection and recovery system (LCRS). The LCRSs include drainage inlet pipes and two leachate collection sumps with monitoring standpipes. The LCRSs are designed to return all leachate collected in the sumps to the ponds. Conductivity sensor probes have been placed between the primary and secondary liners for leak detection. **GROUNDWATER** There are three monitoring wells at the site - one upgradient well (MW-1) and two downgradient wells (MW-2 and MW-3). The site

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev (ft)</i>	<i>Site</i>	<i>DB</i>
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is currently is in Detection Monitoring status. Groundwater is monitored quarterly to detect and evaluate any releases from the brine ponds. Groundwater flow beneath the site is north to south. At this time, there are no indications of impacts to groundwater beneath the site.

Status History

Status: Open - Operating
Status Date: 2014-12-05 00:00:00

Activities

Action Type: ENFORCEMENT
Date: 2010-07-06 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date: 2010-10-31 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date: 2010-12-29 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date: 2010-12-29 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date: 2011-01-31 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date: 2011-03-08 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date: 2011-07-31 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date: 2014-04-03 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date: 2014-06-02 00:00:00
Action: Site Visit / Inspection / Sampling

Contact Information

Contact Type: Regional Board Caseworker
Contact Name: WILLIAM B. RICE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: william.rice@waterboards.ca.gov
Phone Number:

9	2 of 2	-	0.00 / 0.00	1,508.76	SAN DIEGO GAS & ELECTRIC - MORENO VALLEY COMP STA (BR PONDS) 14601 VIRGINIA MORENO VALLEY CA	LDS
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Facility ID: L10005582802
Site Facility Type: LAND DISPOSAL SITE
Cleanup Status: OPEN - OPERATING
Cleanup Status Detail: OPEN - OPERATING AS OF 12/5/2014

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Cleanup History Link:					http://geotracker.waterboards.ca.gov/profile_report_include.asp?global_id=L10005582802&tabname=regulatoryhistory	
Report Link:					http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10005582802	
File Location:					REGIONAL BOARD	
County:					RIVERSIDE	
DWR Grndwtr Sub Basin:					San Jacinto (8-5)	
RB Watershed:					San Jacinto Valley - San Jacinto - Gilman Hot Springs (802.21)	
Future LU Reptd at Closure:						
Potential Contaminants:					NONE SPECIFIED	
Beneficial Use:					NONE SPECIFIED	
Post Closure Site Mgmt R:						

SITE HISTORY:

BACKGROUND

Moreno Valley Compressor Station was built in 1955 and is located in the NE 1/4 of Section 18, T3S, R2W, SBB&M. The facility is owned and operated by San Diego Gas & Electric (SDGE) and is used as part of a natural gas distribution system. Several compressor buildings, cooling towers, two evaporative brine ponds (brine ponds), and other structures exist on the site property. Permitted discharges to the brine ponds include cooling tower blowdown (water condensate), water softener regeneration brines, compressor jacket cooling water, and reverse osmosis brine. The two brine ponds are operated and regulated in accordance with Regional Board Order No. 96-80. Previous Regional Boards orders for the facility were No. 72-28 and No. 88-133.

BRINE PONDS

Brine Pond #1 is 6 ft 6 in deep with 2 ft of freeboard for a total depth of 8ft 6in to the top of its adjacent berm. Brine Pond #2 is 7 ft 1 in deep with 2 ft of freeboard for total depth of 9 ft 1 in to the top of its adjacent berm. In addition, each brine pond has approximate dimensions of 275 ft x 310 ft. This results in a combined capacity of approximately 6.9 million gallons.

The original ponds were installed and lined in 1988, with an expected acceptable performance life for the liners of 20 - 25 years. Consequently, SDGE installed new liners in each pond in July/August 2010 directly on top of the existing liners. The liner system for each brine pond consists of an 80-mil high density polyethylene (HDPE) primary liner, an HPDE drainage net, a 60-mil HDPE secondary liner, and a leachate collection and recovery system (LCRS). The LCRSs include drainage inlet pipes and two leachate collection sumps with monitoring standpipes. The LCRSs are designed to return all leachate collected in the sumps to the ponds. Conductivity sensor probes have been placed between the primary and secondary liners for leak detection.

GROUNDWATER

There are three monitoring wells at the site - one upgradient well (MW-1) and two downgradient wells (MW-2 and MW-3). The site is currently in Detection Monitoring status. Groundwater is monitored quarterly to detect and evaluate any releases from the brine ponds. Groundwater flow beneath the site is north to south. At this time, there are no indications of impacts to groundwater beneath the site.

Cleanup History

Date: 12/5/2014
Status: Open - Operating

Regulatory Activities

Action Type: OTHER REGULATORY ACTIONS
Action: Site Visit / Inspection / Sampling
Action Date: 6/2/2014
Received Issue Date: 6/2/2014
Doc Link: http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=L10005582802&enforcement_id=6205100

Action Type: ENFORCEMENT/ORDERS
Action: Staff Letter
Action Date: 12/29/2010
Received Issue Date: 12/29/2010
Doc Link:

Action Type: OTHER REGULATORY ACTIONS
Action: Technical Correspondence / Assistance / Other
Action Date: 7/6/2010
Received Issue Date: 7/6/2010
Doc Link: http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=L10005582802&enforcement_id=6106236

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Action Type:					OTHER REGULATORY ACTIONS	
Action:					Technical Correspondence / Assistance / Other	
Action Date:					4/3/2014	
Received Issue Date:					4/3/2014	
Doc Link:					http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=L10005582802&enforcement_id=6203456	
Action Type:					OTHER REGULATORY ACTIONS	
Action:					Technical Correspondence / Assistance / Other	
Action Date:					3/8/2011	
Received Issue Date:					3/8/2011	
Doc Link:					http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=L10005582802&enforcement_id=6106238	
Action Type:					RESPONSE REQUESTED - REPORTS	
Action:					Monitoring Report - Quarterly	
Action Date:					1/31/2011	
Received Issue Date:					1/19/2011	
Doc Link:						
Action Type:					RESPONSE REQUESTED - REPORTS	
Action:					Monitoring Report - Quarterly	
Action Date:					10/31/2010	
Received Issue Date:					12/29/2010	
Doc Link:						
Action Type:					RESPONSE REQUESTED - REPORTS	
Action:					Monitoring Report - Quarterly	
Action Date:					7/31/2011	
Received Issue Date:					7/15/2011	
Doc Link:						
Action Type:					OTHER REGULATORY ACTIONS	
Action:					Technical Correspondence / Assistance / Other	
Action Date:					12/29/2010	
Received Issue Date:					12/29/2010	
Doc Link:					http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=L10005582802&enforcement_id=6106237	

[17](#)

1 of 1

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0.00 / 0.00

1,418.22

**Pro Organic Farms
Bridge St.
Lakeview CA**

SWF/LF

SWIS NO: 33-AA-0354
Permit Status: Notification
Permit Date: 3/6/2013
Landuse Name:
County: Riverside
Latitude: 33.8671
Longitude: -117.0584
GIS Source: Map

Operator Phone: 9515383338
Operator Addr 1:
Operator Addr 2: 698 Deardorff Dr.
Operator City: Hemet
Operator State: CA
Operator Zip: 92544
Operator: Frank Fuentes

Owner

Owner: FM Fuentes Property
Phone: 9513788740
Address1: Frank Fuentes
Address2: 698 Deardorff Dr.
City: Hemet
State: CA
Zip: 92544

Unit

Category: Composting

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Activities						
Action Type:					RESPONSE	
Date:					2004-02-20 00:00:00	
Action:					Site Assessment Report	
Action Type:					ENFORCEMENT	
Date:					2004-03-01 00:00:00	
Action:					Technical Correspondence / Assistance / Other	
Action Type:					RESPONSE	
Date:					2004-09-15 00:00:00	
Action:					Site Assessment Report	
Action Type:					ENFORCEMENT	
Date:					2004-10-08 00:00:00	
Action:					Technical Correspondence / Assistance / Other	
Action Type:					ENFORCEMENT	
Date:					2009-10-20 00:00:00	
Action:					InterAgency Agreement	
Action Type:					RESPONSE	
Date:					2013-03-26 00:00:00	
Action:					Soil and Water Investigation Report	
Action Type:					ENFORCEMENT	
Date:					2013-08-22 00:00:00	
Action:					Technical Correspondence / Assistance / Other	
Action Type:					RESPONSE	
Date:					2014-01-08 00:00:00	
Action:					Site Assessment Report	
Action Type:					RESPONSE	
Date:					2014-11-20 00:00:00	
Action:					Monitoring Report - Other	
Action Type:					ENFORCEMENT	
Date:					2015-04-05 00:00:00	
Action:					Email Correspondence	
Contact Information						
Contact Type:					Regional Board Caseworker	
Contact Name:					WILLIAM B. RICE	
Organization Name:					SANTA ANA RWQCB (REGION 8)	
Address:					3737 MAIN STREET, SUITE 500	
City:					RIVERSIDE	
Email:					william.rice@waterboards.ca.gov	
Phone Number:						

3	2 of 2	SSW	0.01 / 53.23	1,424.22	LAKEVIEW LANDFILL SW CORNER OF MARVIN ROAD & DAVIS ROAD LAKEVIEW CA 92567	LDS
Facility ID:					T10000005098	
Site Facility Type:					LAND DISPOSAL SITE	
Cleanup Status:					OPEN - INACTIVE	
Cleanup Status Detail:					OPEN - INACTIVE AS OF 12/5/2014	
Cleanup History Link:					http://geotracker.waterboards.ca.gov/profile_report_include.asp?global_id=T10000005098&tabname=regulatoryhistory	
Report Link:					http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000005098	
File Location:					REGIONAL BOARD	
County:					RIVERSIDE	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
DWR Grndwtr Sub Basin:		San Jacinto (8-5)				
RB Watershed:		San Jacinto Valley - Perris - Lakeview (802.14)				
Future LU Reptd at Closure:						
Potential Contaminants:		COPPER, LEAD, ZINC				
Beneficial Use:		NONE SPECIFIED				
Post Closure Site Mgmt R:						

SITE HISTORY:

The Lakeview Disposal Site is a closed burn dump that was operated by Riverside County and accepted waste from 1951 to 1971. The site is currently owned and maintained by the Riverside County Waste Management Department (Department) and has been declared surplus property under Riverside County Board of Supv Resolution No. 2008-355. As part of this agreement, Nuevo Development Company, LLC (NUEVO) will fund and implement a site Clean Closure project to remove, transport and properly dispose of the estimated 40,000 cubic yards of waste that are in place at the approximately seven (7) acre site. In exchange for completing the Clean Closure project, NUEVO will receive an option to purchase the site from the County at a cost based on the positive difference between funds expended by NUEVO to complete the project and the appraised value of the site in a clean closed condition. Results from a property appraisal performed in July 2009 indicate that the site has an "as is" negative market value of \$2.7 million. If NUEVO decides to exercise the option to purchase the site, conveyance of the surplus property will be executed by the Riverside County Director of Facilities Management in accordance with Ordinance No. 598.

On July 29, 2008, the Riverside County Board of Supervisors approved the Clean Closure project and adopted the Mitigated Negative Declaration for Environmental Assessment (EA) No. 41223. In addition, the Department (RivCo Waste Mgmt Dept?) has determined that this agreement is exempt under California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines sections 15061, subdivision (b)(3), and 15262. The Department (RivCo Wste Mgmt Dept?) shall file a Notice of Exemption within 72 hours of County approval of this agreement.

Cleanup History

Date: 2/20/2004
Status: Open - Case Begin Date

Date: 8/22/2013
Status: Open - Assessment & Interim Remedial Action

Date: 12/5/2014
Status: Open - Inactive

Regulatory Activities

Action Type: AGREEMENTS
Action: InterAgency Agreement
Action Date: 10/20/2009
Received Issue Date: 10/20/2009
Doc Link: http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000005098&enforcement_id=6172607

Action Type: RESPONSE REQUESTED - REPORTS
Action: Monitoring Report - Other
Action Date: 11/20/2014
Received Issue Date: 11/20/2014
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000005098&doc_id=5822652

Action Type: RESPONSE REQUESTED - REPORTS
Action: Site Assessment Report
Action Date: 1/8/2014
Received Issue Date: 1/8/2014
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000005098&doc_id=5802064

Action Type: OTHER REGULATORY ACTIONS
Action: Technical Correspondence / Assistance / Other
Action Date: 3/1/2004
Received Issue Date: 3/1/2004
Doc Link: http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000005098&enforcement_id=6172620

Action Type: OTHER REGULATORY ACTIONS
Action: Technical Correspondence / Assistance / Other

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Action Date:			10/8/2004			
Received Issue Date:			10/8/2004			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000005098&enforcement_id=6172614			
Action Type:			RESPONSE REQUESTED - REPORTS			
Action:			Site Assessment Report			
Action Date:			9/15/2004			
Received Issue Date:			9/15/2004			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000005098&doc_id=5779291			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Technical Correspondence / Assistance / Other			
Action Date:			8/22/2013			
Received Issue Date:			8/22/2013			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000005098&enforcement_id=6172624			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Email Correspondence			
Action Date:			4/5/2015			
Received Issue Date:			4/5/2015			
Doc Link:						
Action Type:			RESPONSE REQUESTED - REPORTS			
Action:			Soil and Water Investigation Report			
Action Date:			3/26/2013			
Received Issue Date:			3/26/2013			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000005098&doc_id=5779298			
Action Type:			RESPONSE REQUESTED - REPORTS			
Action:			Site Assessment Report			
Action Date:			2/20/2004			
Received Issue Date:			2/20/2004			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000005098&doc_id=5779287			

4	1 of 3	SSW	0.02 / 82.61	1,424.53	LAKEVIEW LANDFILL CORNER OF DAVIS RD AND MARVIN LAKEVIEW CA 92567	FINDS/FRS
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Registry ID: 110013895311
FIPS Code: 06065
Program Acronyms: EIS
HUC Code: 18100200
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor: EIS
County Name: RIVERSIDE
Source:
SIC Codes:
SIC Code Descriptions:
Federal Facility Code:
NAICS Codes: 562212
NAICS Code Descriptions: SOLID WASTE LANDFILL.
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No: 45
Census Block Code: 060650469001304
Create Date: 11-APR-2003 14:29:59
Update Date: 14-APR-2015 21:47:55
Location Description:
Supplemental Location: CORNER OF DAVIS RD AND MARVIN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Tribal Land Code: Tribal Land Name: Latitude: 33.752909 Longitude: -116.056224 Coord Collection Method: INTERPOLATION-OTHER Accuracy Value: Datum: NAD83 Reference Point: FACILITY CENTROID Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110013895311						

4	2 of 3	SSW	0.02 / 82.61	1,424.53	LAKEVIEW LANDFILL SW CORNER OF MARVIN ROAD & DAVIS ROAD LAKEVIEW CA 92567	FINDS/FRS
Registry ID: 110066557023 FIPS Code: Program Acronyms: CA-ENVIROVIEW HUC Code: Site Type Name: STATIONARY EPA Region Code: 09 Conveyor: County Name: RIVERSIDE Source: SIC Codes: SIC Code Descriptions: Federal Facility Code: NAICS Codes: NAICS Code Descriptions: Federal Agency Name: US/Mexico Border Ind: Congressional Dist No: Census Block Code: Create Date: 14-OCT-2015 12:02:27 Update Date: Location Description: Supplemental Location: SW CORNER OF MARVIN ROAD & DAVIS ROAD Tribal Land Code: Tribal Land Name: Latitude: Longitude: Coord Collection Method: Accuracy Value: Datum: NAD83 Reference Point: Interest Types: STATE MASTER Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066557023						

4	3 of 3	SSW	0.02 / 82.61	1,424.53	Lakeview Corner Of Davis Rd And Marvin Rd Lakeview CA	SWF/LF
SWIS NO: 33-CR-0010 Permit Status: Permit Date: Landuse Name: County: Riverside Latitude: 33.84576 Longitude: -117.12081 GIS Source: Map Operator Phone: 9092751370 Operator Addr 1: Operator Addr 2: 1955 Market Street Operator City: Riverside Operator State: CA Operator Zip: 92501 Operator: Waste Management Owner: Owner: Waste Management						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Phone:		9092751370				
Address1:						
Address2:		1955 Market Street				
City:		Riverside				
State:		CA				
Zip:		92501				
Unit						
Category:		Disposal				
Unit No.:		01				
Activity:		Solid Waste Disposal Site				
Regulatory Status:		Pre-regulations				
Operational Status:		Closed				
Inspection Frequency:		Annual				
Accepted Waste:						
Program Type:						
Closure Date:		12/31/1976				
Closure Type:		Estimated				
Thorough Put:		0				
Thorough Put Units:						
Capacity:		0				
Capacity Units:						
Acreage:		0.00				
Disposal Acreage:		0.00				
Remaining Capacity:		0				
WDRNO:						

<u>5</u>	1 of 5	NE	0.01 / 48.99	1,461.95	INDUSTRIAL ASPHALT CO 15980-16980 GILMAN SPRINGS RD MORENO VALLEY CA 92555-9719	FINDS/FRS
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Registry ID:	110041148727
FIPS Code:	06065
Program Acronyms:	CA-ENVIROVIEW, EIS
HUC Code:	18070202
Site Type Name:	STATIONARY
EPA Region Code:	09
Conveyor:	FRS-GEOCODE
County Name:	RIVERSIDE
Source:	
SIC Codes:	
SIC Code Descriptions:	
Federal Facility Code:	
NAICS Codes:	324121
NAICS Code Descriptions:	ASPHALT PAVING MIXTURE AND BLOCK MANUFACTURING.
Federal Agency Name:	
US/Mexico Border Ind:	
Congressional Dist No:	41
Census Block Code:	060650438221132
Create Date:	26-MAY-2010 15:17:22
Update Date:	13-OCT-2015 12:58:43
Location Description:	
Supplemental Location:	15980-16980 GILMAN SPRINGS RD
Tribal Land Code:	
Tribal Land Name:	
Latitude:	33.89549
Longitude:	-117.06946
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Reference Point:	CENTER OF A FACILITY OR STATION
Interest Types:	HAZARDOUS AIR POLLUTANT MAJOR, STATE MASTER
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110041148727

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
5	2 of 5	NE	0.01 / 48.99	1,461.90	VERIZON WIRELESS: QUAIL RANCH 15962 GILMAN SPRINGS ROAD MORENO VALLEY CA 92555	FINDS/FRS
Registry ID: 110064987714 FIPS Code: Program Acronyms: CA-ENVIROVIEW HUC Code: 18070202 Site Type Name: STATIONARY EPA Region Code: 09 Conveyor: FRS-GEOCODE County Name: RIVERSIDE Source: SIC Codes: 4812 SIC Code Descriptions: RADIOTELEPHONE COMMUNICATIONS Federal Facility Code: NAICS Codes: 517210 NAICS Code Descriptions: WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE) Federal Agency Name: US/Mexico Border Ind: Congressional Dist No: 45 Census Block Code: 060650426241056 Create Date: 10-OCT-2015 08:12:10 Update Date: Location Description: Supplemental Location: 15962 GILMAN SPRINGS ROAD Tribal Land Code: Tribal Land Name: Latitude: 33.89217 Longitude: -117.07914 Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 50 Datum: NAD83 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Interest Types: STATE MASTER Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110064987714						

5	3 of 5	NE	0.01 / 48.99	1,461.90	Verizon Wireless Quail Ranch 15962 Gilman Sprgs Rd Moreno Valley CA 92555	RIVERSIDE HZH
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5	4 of 5	NE	0.01 / 48.99	1,461.92	MORENO GILMAN 650 LLC 15970 GILMAN SPRINGS RD MORENO VALLEY CA 92555	HAZNET
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SIC Code:		Mailing City:	MORENO VALLEY
NAICS Code:		Mailing State:	CA
EPA ID:	CAC002606068	Mailing Zip:	92555
Create Date:	7/14/2006	Region Code:	4
Fac Act Ind:	No	Owner Name:	MORENO GILMAN 650 LLC
Inact Date:	1/11/2007	Owner Addr 1:	15960 GILMAN SPRINGS RD
File Source:	File Sent By Department	Owner Addr 2:	
County Code:	33	Owner City:	MORENO VALLEY
County Name:	Riverside	Owner State:	CA
Mail Name:		Owner Zip:	92555
Mailing Addr 1:	15960 GILMAN SPRINGS RD	Owner Phone:	9156452727
Mailing Addr 2:		Owner Fax:	

Contact Information

Contact Name: LINCOLN WALLACE
Street Address 1: 15970 GILMAN SPRINGS RD

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Street Address 2:						
City:		MORENO VALLEY				
State:		CA				
Zip:		92555				
Phone:		9156542727				
Tanner Information						
Generator EPA ID:		CAC002606068				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD028409019				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		181				
State Waste Code Desc.:		Other inorganic solid waste				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.0175				
Year:		2006				
Generator EPA ID:		CAC002606068				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		223				
State Waste Code Desc.:		Unspecified oil-containing waste				
Method Code:		H135				
Method Description:		DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)				
Tons:		0.2085				
Year:		2006				
5	5 of 5	NE	0.01 / 48.99	1,461.92	ALL VALLEY LANDSCAPE SUPPLY 15970 GILMAN SPRINGS RD MORENO VALLEY CA 92555	HAZNET
SIC Code:					Mailing City: MORENO VALLEY	
NAICS Code:					Mailing State: CA	
EPA ID:		CAC002591030			Mailing Zip: 92554	
Create Date:		5/26/2005			Region Code: 4	
Fac Act Ind:		No			Owner Name: SALVADOR ALONSO	
Inact Date:		11/23/2005			Owner Addr 1: PO BOX 6093	
File Source:		File Sent By Department			Owner Addr 2:	
County Code:		33			Owner City: MORENO VALLEY	
County Name:		Riverside			Owner State: CA	
Mail Name:					Owner Zip: 92554	
Mailing Addr 1:		PO BOX 6093			Owner Phone: 9516541170	
Mailing Addr 2:					Owner Fax:	
Contact Information						
Contact Name:		RICHARD ALONSO/OFF ASSIST				
Street Address 1:		PO BOX 6093				
Street Address 2:						
City:		MORENO VALLEY				
State:		CA				
Zip:		92554				
Phone:		9516541170				
6	1 of 2	S	0.26 /	1,434.21	MOUNTAIN SHADOWS MIDDLE	ENVIROSTOR

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev (ft)</i>	<i>Site</i>	<i>DB</i>
			1,380.21		SCHOOL 9TH STREET/RESERVOIR AVENUE NUEVO CA 92567	
Estor/EPA ID:		33010013				
Site Code:		404055				
Cleanup Status:		NO FURTHER ACTION AS OF 3/9/2001				
Site Type:		SCHOOL				
Potential Media Affected:		SOIL				
Past Uses Caused Contam:		AGRICULTURAL - ROW CROPS				
APN:		NONE SPECIFIED				
National Priorities List:		NO				
Cleab up Oversight Agenci:		DTSC - SITE CLEANUP PROGRAM - LEAD				
Special Program:						
Funding:		SCHOOL DISTRICT				
Acres:		7 ACRES				
School District:		NUVIEW UNION SCHOOL DISTRICT				
Assembly District:		42				
Senate District:		23				
Zip:		92567				
Potential Contaminants:						
DDE						
Site History:						
Vacant land that had been disced. Crops may have been there, but not evident. School buildings were visible on-site; track and field areas were also visible. Abandoned water-well was located on the southeast side of the site. The existing school and track fields were surrounded by a gate to restrict entry. In the past, the site was used for agricultural purposes.						
DTSC approved the PEA Report witha no further action determination.						
Facility Information						
Program Type:		SCHOOL EVALUATION				
Status:		NO FURTHER ACTION				
Summary Link:		http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=33010013				
Completed Activities						
Doc Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33010013&doc_id=6003730				
Area Name:						
Sub Area:						
Document Type:		Preliminary Endangerment Assessment Report				
Date Completed:		3/9/2001				
Comments:		DTSC approved the PEA equivalent Report with a no further action determination.				
Activity Type:		Completed Activities				
Doc Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33010013&enforcement_id=6003729				
Area Name:						
Sub Area:						
Document Type:		Environmental Oversight Agreement				
Date Completed:		6/8/2000				
Comments:						
Activity Type:		Completed Activities				
Doc Link:						
Area Name:						
Sub Area:						
Document Type:		Phase 1				
Date Completed:		2/8/2000				
Comments:						
Activity Type:		Completed Activities				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
<u>6</u>	2 of 2	S	0.26 / 1,380.21	1,434.21	MOUNTAIN SHADOWS MIDDLE SCHOOL 9TH STREET/RESERVOIR AVENUE NUEVO CA 92567	SCH

ESTOR/EPA ID: 33010013
Site Code: 404055
Status: NO FURTHER ACTION
Cleanup Status: NO FURTHER ACTION AS OF 3/9/2001
Program Type: SCHOOL EVALUATION
Site Type: SCHOOL
National Priorities List: NO
CI Up Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD
Special Program:
County: RIVERSIDE
Funding: SCHOOL DISTRICT
APN: NONE SPECIFIED
Past Use Caused Contam: AGRICULTURAL - ROW CROPS
Potential Contam of Cncrn: DDE
Potential Media Affected: SOIL
Acres: 7 ACRES
School District: NUVIEW UNION SCHOOL DISTRICT
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=33010013
Assembly District: 42
Senate District: 23
Latitude: 33.8416
Longitude: -117.1101

SITE HISTORY:

Vacant land that had been disced. Crops may have been there, but not evident. School buildings were visible on-site; track and field areas were also visible. Abandoned water-well was located on the southeast side of the site. The existing school and track fields were surrounded by a gate to restrict entry. In the past, the site was used for agricultural purposes.

DTSC approved the PEA Report with a no further action determination.

Completed Activities

Date Completed: 3/9/2001
Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33010013&doc_id=6003730
Area Name:
Sub Area:
Document Type: Preliminary Endangerment Assessment Report
Comments: DTSC approved the PEA equivalent Report with a no further action determination.

Date Completed: 2/8/2000
Doc Link:
Area Name:
Sub Area:
Document Type: Phase 1
Comments:

Date Completed: 6/8/2000
Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33010013&enforcement_id=6003729
Area Name:
Sub Area:
Document Type: Environmental Oversight Agreement
Comments:

<u>7</u>	1 of 10	NE	0.01 / 46.57	1,464.07	MetroPCS California LLC 15960 Gilman Springs Rd Moreno Valley CA 92555	DELISTED COUNTY
Record Date:	10-JUN-2015					
Original Source Name:	Riverside County Disclosure Facility List					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
<i>Original Source Facility ID:</i>						
7	2 of 10	NE	0.01 / 46.57	1,464.07	NEXTEL CELL SITE CA6745 15960 GILMAN SPRINGS RD MORENO VALLEY CA 92555	FINDS/FRS
Registry ID:		110065753535				
FIPS Code:						
Program Acronyms:		CA-ENVIROVIEW				
HUC Code:		18070202				
Site Type Name:		STATIONARY				
EPA Region Code:		09				
Conveyor:		FRS-GEOCODE				
County Name:		RIVERSIDE				
Source:						
SIC Codes:		4812				
SIC Code Descriptions:		RADIOTELEPHONE COMMUNICATIONS				
Federal Facility Code:						
NAICS Codes:		517212				
NAICS Code Descriptions:		CELLULAR AND OTHER WIRELESS TELECOMMUNICATIONS.				
Federal Agency Name:						
US/Mexico Border Ind:						
Congressional Dist No:		41				
Census Block Code:		060650438221132				
Create Date:		13-OCT-2015 14:14:56				
Update Date:						
Location Description:						
Supplemental Location:		15960 GILMAN SPRINGS RD				
Tribal Land Code:						
Tribal Land Name:						
Latitude:		33.89384				
Longitude:		-117.07788				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		30				
Datum:		NAD83				
Reference Point:		CENTER OF A FACILITY OR STATION				
Interest Types:		STATE MASTER				
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065753535				

7	3 of 10	NE	0.01 / 46.57	1,464.07	GILMAN SPRINGS ROAD PHASE 1 15960 GILMAN SPRINGS MORENO VALLEY CA 92555	FINDS/FRS
Registry ID:		110065750887				
FIPS Code:						
Program Acronyms:		CA-ENVIROVIEW				
HUC Code:		18070202				
Site Type Name:		STATIONARY				
EPA Region Code:		09				
Conveyor:		FRS-GEOCODE				
County Name:		RIVERSIDE				
Source:						
SIC Codes:						
SIC Code Descriptions:						
Federal Facility Code:						
NAICS Codes:						
NAICS Code Descriptions:						
Federal Agency Name:						
US/Mexico Border Ind:						
Congressional Dist No:		41				
Census Block Code:		060650438221132				
Create Date:		13-OCT-2015 14:12:42				
Update Date:						
Location Description:						
Supplemental Location:		15960 GILMAN SPRINGS				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Tribal Land Code:						
Tribal Land Name:						
Latitude:		33.89384				
Longitude:		-117.07788				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		30				
Datum:		NAD83				
Reference Point:		CENTER OF A FACILITY OR STATION				
Interest Types:		STATE MASTER				
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065750887				

7	4 of 10	NE	0.01 / 46.57	1,464.07	METROPICS CALIFORNIA LLC 15960 GILMAN SPRINGS RD MORENO VALLEY CA 92555	FINDS/FRS
Registry ID:		110066073411				
FIPS Code:						
Program Acronyms:		CA-ENVIROVIEW				
HUC Code:		18070202				
Site Type Name:		STATIONARY				
EPA Region Code:		09				
Conveyor:		FRS-GEOCODE				
County Name:		RIVERSIDE				
Source:						
SIC Codes:		4812				
SIC Code Descriptions:		RADIOTELEPHONE COMMUNICATIONS				
Federal Facility Code:						
NAICS Codes:		517212				
NAICS Code Descriptions:		CELLULAR AND OTHER WIRELESS TELECOMMUNICATIONS.				
Federal Agency Name:						
US/Mexico Border Ind:						
Congressional Dist No:		41				
Census Block Code:		060650438221132				
Create Date:		14-OCT-2015 09:45:44				
Update Date:						
Location Description:						
Supplemental Location:		15960 GILMAN SPRINGS RD				
Tribal Land Code:						
Tribal Land Name:						
Latitude:		33.89384				
Longitude:		-117.07788				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		30				
Datum:		NAD83				
Reference Point:		CENTER OF A FACILITY OR STATION				
Interest Types:		STATE MASTER				
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066073411				

7	5 of 10	NE	0.01 / 46.57	1,464.07	15960 GILMAN SPRING MORENO VALLEY CA 925550000	HIST MANIFEST
Gen EPA ID:		CAL912493766				
Create Date:		09/06/1991 0:00				
Inact Date:		6/30/2000 0:00:00				
Facility Mail Street:		15960 GILMAN SPRING				
Facility Mail City:		MORENO VALLEY				
Facility Mail State:		CA				
Facility Mail Zip:		925550000				
Contact Phone(s):		--				
File Year(s):		1992				
Contact Name(s):		DEACT 2/21/95 BUSINESS SOLD-PH				
Tanner Information						
Generator EPA ID:		CAL912493766				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080031628				
TSD County Code:		15				
TSD County:		Kern				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		R01				
Method Description:		Recycler				
Tons:		2.5				
Year:		1992				
Generator EPA ID:		CAL912493766				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080031628				
TSD County Code:		15				
TSD County:		Kern				
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0				
Year:		1992				

7 6 of 10 NE 0.01 / 46.57 1,464.07 **QUAIL RANCH COUNTRY CLUB**
15960 GILMAN SPRINGS RD
MORENO VALLEY CA 925559700 **HAZNET**

SIC Code:	7999	Mailing City:	PALM SPRINGS
NAICS Code:	71399	Mailing State:	CA
EPA ID:	CAL000333063	Mailing Zip:	922643446
Create Date:	5/28/2008 9:45:25 AM	Region Code:	4
Fac Act Ind:	No	Owner Name:	MORENO GILMAN 650 LLC
Inact Date:	6/30/2008	Owner Addr 1:	5005 E CALLE SAN RAPHAEL
File Source:	File Sent By Department	Owner Addr 2:	
County Code:	33	Owner City:	PALM SPRINGS
County Name:	Riverside	Owner State:	CA
Mail Name:		Owner Zip:	922643446
Mailing Addr 1:	5005 E CALLE SAN RAPHAEL	Owner Phone:	7603253537
Mailing Addr 2:		Owner Fax:	7607784417

Contact Information

Contact Name: LINCOLN WALLACE
Street Address 1: 15960 GILMAN SPRINGS RD
Street Address 2:
City: MORENO VALLEY
State: CA
Zip: 925559700
Phone: 9516636385

Tanner Information

Generator EPA ID: CAL000333063
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD982444481
TSD County Code: 36
TSD County: San Bernardino
State Waste Code: 223
State Waste Code Desc.: Unspecified oil-containing waste
Method Code: H141
Method Description: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons: 3.336

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Year:		2008				
Generator EPA ID:		CAL000333063				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.001				
Year:		2008				
Generator EPA ID:		CAL000333063				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.65				
Year:		2008				

[7](#)

7 of 10

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QUAIL RANCH COUNTRY CLUB
15960 GILMAN SPRING
MORENO VALLEY CA 925550000

HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC001045712
Create Date: 2/21/1995
Fac Act Ind: No
Inact Date: 10/25/2000
File Source: File Sent By Department
County Code: 33
County Name: Riverside
Mail Name:
Mailing Addr 1: 15960 GILMAN SPRING
Mailing Addr 2:

Mailing City: MORENO VALLEY
Mailing State: CA
Mailing Zip: 925550000
Region Code: 4
Owner Name: BOK SU LEE
Owner Addr 1: 15960 GILMAN SPRING
Owner Addr 2:
Owner City: MORENO VALLEY
Owner State: CA
Owner Zip: 925550000
Owner Phone: 7148648646
Owner Fax:

Contact Information

Contact Name: BILL PHILLIPS
Street Address 1: 15960 GILMAN SPRING
Street Address 2:
City: MORENO VALLEY
State: CA
Zip: 925550000
Phone: 9096548646

Tanner Information

Generator EPA ID: CAC001045712
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAT080013352
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 241

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code Desc.:		Tank bottom waste				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.1042				
Year:		1995				

[7](#) 8 of 10 NE 0.01 / 46.57 1,464.07 **PALM CREST INVESTMENT INC**
15960 GILMAN SPRINGS ROAD
MORENO VALLEY CA 924440000 **HAZNET**

SIC Code:		Mailing City:	MORENO VALLEY
NAICS Code:		Mailing State:	CA
EPA ID:	CAL912912845	Mailing Zip:	924440000
Create Date:	10/18/1991	Region Code:	4
Fac Act Ind:	No	Owner Name:	PALM CREST INVESTMENT INC
Inact Date:	12/31/1899	Owner Addr 1:	15960 GILMAN SPRINGS ROAD
File Source:	File Sent By Department	Owner Addr 2:	
County Code:	33	Owner City:	MORENO VALLEY
County Name:	Riverside	Owner State:	CA
Mail Name:		Owner Zip:	924440000
Mailing Addr 1:	15960 GILMAN SPRINGS ROAD	Owner Phone:	7146542727
Mailing Addr 2:		Owner Fax:	

Contact Information

Contact Name: DEACT BUS. SOLD 2/21/95 -P.H.
Street Address 1:
Street Address 2:
City:
State: 99
Zip:
Phone:

[7](#) 9 of 10 NE 0.01 / 46.57 1,464.07 **PALM CREST RESORT/COUNTRY CLUB**
15960 GILMAN SPRING
MORENO VALLEY CA 925550000 **HAZNET**

SIC Code:		Mailing City:	MORENO VALLEY
NAICS Code:		Mailing State:	CA
EPA ID:	CAL912493766	Mailing Zip:	925550000
Create Date:	9/6/1991	Region Code:	4
Fac Act Ind:	No	Owner Name:	PALM CREST INVESTMENT INC
Inact Date:	6/30/2000	Owner Addr 1:	15960 GILMAN SPRING
File Source:	File Sent By Department	Owner Addr 2:	
County Code:	33	Owner City:	MORENO VALLEY
County Name:	Riverside	Owner State:	CA
Mail Name:		Owner Zip:	925550000
Mailing Addr 1:	15960 GILMAN SPRING	Owner Phone:	7148648646
Mailing Addr 2:		Owner Fax:	

Contact Information

Contact Name: DEACT 2/21/95 BUSINESS SOLD-PH
Street Address 1: INACTIVE PER VQ00 - BMI
Street Address 2:
City:
State: 99
Zip:
Phone:

Tanner Information

Generator EPA ID: CAL912493766
Generator County Code: 33

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator County: Riverside TSD EPA ID: CAT080013352 TSD County Code: 19 TSD County: Los Angeles State Waste Code: 221 State Waste Code Desc.: Waste oil and mixed oil Method Code: R01 Method Description: Recycler Tons: 0.57 Year: 1999						
7	10 of 10	NE	0.01 / 46.57	1,464.07	QUAIL RANCH 15960 GILMAN SPRING RD MORENO VALLEY CA 925550000	HAZNET
SIC Code: NAICS Code: EPA ID: CAL000219643 Create Date: 5/22/2000 Fac Act Ind: No Inact Date: 6/30/2007 File Source: File Sent By Department County Code: 33 County Name: Riverside Mail Name: Mailing Addr 1: 15960 GILMAN SPRING RD Mailing Addr 2:		Mailing City: MORENO VALLEY Mailing State: CA Mailing Zip: 925550000 Region Code: 4 Owner Name: DBA QUAIL RANCH GOLF CLUB Owner Addr 1: 15960 GILMAN SPRING RD Owner Addr 2: Owner City: MORENO VALLEY Owner State: CA Owner Zip: 925550000 Owner Phone: 0000000000 Owner Fax:				
Contact Information						
Contact Name: LINCOLN WALLACE GC SUPT Street Address 1: 15960 GILMAN SPRINGS Street Address 2: City: MORENO VALLEY State: CA Zip: 925550000 Phone: 9516636385						
10	1 of 14	ENE	0.01 / 59.68	1,508.86	INDUSTRIAL ASPHALT 15980 GILMAN SPRINGS ROAD MORENO CA 92360	HHSS
County: Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001f713.pdf						
10	2 of 14	ENE	0.01 / 59.68	1,508.86	STANDARD READY MIX CONCRETE 15980 GILMAN SPRINGS RD MORENO CA 92360	HHSS
County: Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001f9c3.pdf						
10	3 of 14	ENE	0.01 / 59.68	1,508.86	15980 GILMAN SPRINGS RD MORENO VALLEY CA 925550000	HIST MANIFEST
Gen EPA ID: CAL000004498 Create Date: 11/14/1989 0:00:00 Inact Date: 6/30/2004 0:00:00 Facility Mail Street: PO BOX 2950 Facility Mail City: LOS ANGELES						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Facility Mail State:		CA				
Facility Mail Zip:		900510950				
Contact Phone(s):		3232582777				
File Year(s):		1989; 1990; 1991; 1992				
Contact Name(s):		B WOYSHNER-REGIONAL ENVIR MGR				
Tanner Information						
Generator EPA ID:		CAL000004498				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080011059				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.08				
Year:		1992				
Generator EPA ID:		CAL000004498				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080025711				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		134				
State Waste Code Desc.:		Aqueous solution with total organic residues less than 10 percent				
Method Code:		1				
Method Description:						
Tons:		0.79				
Year:		1992				
Generator EPA ID:		CAL000004498				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		1				
Method Description:						
Tons:		2.08				
Year:		1989				
Generator EPA ID:		CAL000004498				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080025711				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		1				
Method Description:						
Tons:		0				
Year:		1992				
Generator EPA ID:		CAL000004498				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Method Code:			R01			
Method Description:			Recycler			
Tons:			4.58			
Year:			1989			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080013352			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			5.52			
Year:			1990			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080025711			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			3.35			
Year:			1991			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080025711			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			1.25			
Year:			1992			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080013352			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.25			
Year:			1990			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080025711			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.25			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Year:			1991			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			NVT330010000			
TSD County Code:			99			
TSD County:			Unknown			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:						
Method Description:						
Tons:			2.02			
Year:			1990			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			NVT303001000			
TSD County Code:			0			
TSD County:						
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:						
Method Description:						
Tons:			0			
Year:			1990			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080011059			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			223			
State Waste Code Desc.:			Unspecified oil-containing waste			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.97			
Year:			1992			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			NVT330010000			
TSD County Code:			99			
TSD County:			Unknown			
State Waste Code:			512			
State Waste Code Desc.:			Other empty containers 30 gallons or more			
Method Code:						
Method Description:						
Tons:			0			
Year:			1990			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			NVT303001000			
TSD County Code:			0			
TSD County:						
State Waste Code:			512			
State Waste Code Desc.:			Other empty containers 30 gallons or more			
Method Code:						
Method Description:						
Tons:			0			
Year:			1990			
Generator EPA ID:			CAL000004498			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT000613976				
TSD County Code:		30				
TSD County:		Orange				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.04				
Year:		1991				
Generator EPA ID:		CAL000004498				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT000613976				
TSD County Code:		30				
TSD County:		Orange				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.12				
Year:		1992				
Generator EPA ID:		CAL000004498				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT000613927				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.42				
Year:		1992				
Generator EPA ID:		CAL000004498				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0				
Year:		1989				
Generator EPA ID:		CAL000004498				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0				
Year:		1990				
Generator EPA ID:		CAL000004498				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080011059				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1992			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613976			
TSD County Code:			30			
TSD County:			Orange			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1991			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613976			
TSD County Code:			30			
TSD County:			Orange			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1992			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080025711			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1991			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613927			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:			0			
Year:			1992			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080025711			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0				
Year:		1992				
Generator EPA ID:		CAL000004498				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		NVT330010000				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0				
Year:		1990				
Generator EPA ID:		CAL000004498				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		NVT303001000				
TSD County Code:		0				
TSD County:						
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0				
Year:		1990				

<u>10</u>	4 of 14	ENE	0.01 / 59.68	1,508.86	15980 GILMAN SPRINGS ROAD MORENO VALLEY CA 923880000	HIST MANIFEST
Gen EPA ID:		CAC000081789				
Create Date:		4/29/1988 0:00:00				
Inact Date:		10/25/2000 0:00:00				
Facility Mail Street:		--				
Facility Mail City:		MORENO VALLEY				
Facility Mail State:		CA				
Facility Mail Zip:		923880000				
Contact Phone(s):		2132582777				
File Year(s):		1988				
Contact Name(s):		JOHN BENNETT				
Tanner Information						
Generator EPA ID:		CAC000081789				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.66				
Year:		1988				
Generator EPA ID:		CAC000081789				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080011059				
TSD County Code:		19				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		R01				
Method Description:		Recycler				
Tons:		1.66				
Year:		1988				
Generator EPA ID:		CAC000081789				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD020748125				
TSD County Code:		42				
TSD County:		Santa Barbara				
State Waste Code:		272				
State Waste Code Desc.:		Polymeric resin waste				
Method Code:		D80				
Method Description:		Disposal, landfill				
Tons:		0.2				
Year:		1988				
Generator EPA ID:		CAC000081789				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT000646117				
TSD County Code:		16				
TSD County:		Kings				
State Waste Code:		512				
State Waste Code Desc.:		Other empty containers 30 gallons or more				
Method Code:		D80				
Method Description:		Disposal, landfill				
Tons:		5.89				
Year:		1988				
Generator EPA ID:		CAC000081789				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT000646117				
TSD County Code:		16				
TSD County:		Kings				
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0				
Year:		1988				
Generator EPA ID:		CAC000081789				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD008302903				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0				
Year:		1988				
Generator EPA ID:		CAC000081789				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAT080011059				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Method Code:						
Method Description:						
Tons:		0				
Year:		1988				
Generator EPA ID:		CAC000081789				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:		CAD020748125				
TSD County Code:		42				
TSD County:		Santa Barbara				
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0				
Year:		1988				
10	5 of 14	ENE	0.01 / 59.68	1,508.86	15980 GILMAN SPRINGS RD MORENO CA 923600000	HIST MANIFEST
Gen EPA ID:		CAC000041426				
Create Date:		10/08/1987 0:00				
Inact Date:		10/25/2000 0:00:00				
Facility Mail Street:		15980 GILMAN SPRINGS RD				
Facility Mail City:		MORENO				
Facility Mail State:		CA				
Facility Mail Zip:		923600000				
Contact Phone(s):		7146547361				
File Year(s):		1987				
Contact Name(s):		SHELDON KOERNER				
Tanner Information						
Generator EPA ID:		CAC000041426				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:						
TSD County Code:		0				
TSD County:						
State Waste Code:		213				
State Waste Code Desc.:		Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)				
Method Code:		1				
Method Description:						
Tons:		9.64				
Year:		1987				
Generator EPA ID:		CAC000041426				
Generator County Code:		33				
Generator County:		Riverside				
TSD EPA ID:						
TSD County Code:		0				
TSD County:						
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0				
Year:		1987				
10	6 of 14	ENE	0.01 / 59.68	1,508.86	15980 GILMAN SPRINGS RD MARINO VALLEY CA 927010000	HIST MANIFEST
Gen EPA ID:		CAD000328906				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Create Date:		03/06/1987 0:00				
Inact Date:		01/01/1991 0:00				
Facility Mail Street:		117 W 4TH ST				
Facility Mail City:		SANTA ANA				
Facility Mail State:		CA				
Facility Mail Zip:		927010000				
Contact Phone(s):		7149743106				
File Year(s):		1987				
Contact Name(s):		JOE LAMPHEAR				

Tanner Information

Generator EPA ID: CAD000328906
Generator County Code: 30
Generator County: Orange
TSD EPA ID:
TSD County Code: 0
TSD County:
State Waste Code: 222
State Waste Code Desc.: Oil/water separation sludge
Method Code: 1
Method Description:
Tons: 4.17
Year: 1987

Generator EPA ID: CAD000328906
Generator County Code: 30
Generator County: Orange
TSD EPA ID:
TSD County Code: 0
TSD County:
State Waste Code:
State Waste Code Desc.:
Method Code:
Method Description:
Tons: 0
Year: 1987

10	7 of 14	ENE	0.01 / 59.68	1,508.86	INDUSTRIAL ASPHALT 15980 GILMAN SPRINGS RD MORENO CA 00000000	HAZNET
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SIC Code:		Mailing City:	IRWINDALE
NAICS Code:		Mailing State:	CA
EPA ID:	CAL000021163	Mailing Zip:	917060000
Create Date:	11/14/1989	Region Code:	4
Fac Act Ind:	No	Owner Name:	INDUSTRIAL ASPHALT
Inact Date:	1/1/1995	Owner Addr 1:	--
File Source:	File Sent By Department	Owner Addr 2:	--
County Code:	33	Owner City:	--
County Name:	Riverside	Owner State:	99
Mail Name:		Owner Zip:	--
Mailing Addr 1:	PO BOX 2263	Owner Phone:	0000000000
Mailing Addr 2:		Owner Fax:	

Contact Information

Contact Name: INACTIVE PER UNDELIVE SURVEY
Street Address 1: 12-15-94 LH
Street Address 2:
City:
State: 99
Zip:
Phone:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
10	8 of 14	ENE	0.01 / 59.68	1,508.58	STANDARD CONCRETE PRODUCTS INC 15980 GILMAN SPRINGS RD MORENO VALLEY CA 923600000	HAZNET

SIC Code:		Mailing City:	SANTA ANA
NAICS Code:		Mailing State:	CA
EPA ID:	CAL922912347	Mailing Zip:	927050326
Create Date:	10/17/1992	Region Code:	4
Fac Act Ind:	No	Owner Name:	STANDARD CONCRETE PRODUCTS INC
Inact Date:	6/30/1999	Owner Addr 1:	PO BOX 15326
File Source:	File Sent By Department	Owner Addr 2:	
County Code:	33	Owner City:	SANTA ANA
County Name:	Riverside	Owner State:	CA
Mail Name:		Owner Zip:	927350326
Mailing Addr 1:	2002 E MCFADDEN	Owner Phone:	7148352931
Mailing Addr 2:		Owner Fax:	

Contact Information

Contact Name: GARRY REISNER HUMAN RESOURCES
Street Address 1: INACTIVE PER VQ01 - BMI
Street Address 2:
City: TUSTIN
State: CA
Zip: 927800000
Phone: 7145660400

Tanner Information

Generator EPA ID: CAL922912347
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD050806850
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 331
State Waste Code Desc.: Off-specification, aged or surplus organics
Method Code: T01
Method Description: Treatment, tank
Tons: 2.64
Year: 2000

10	9 of 14	ENE	0.01 / 59.68	1,508.58	INDUSTRIAL ASPHALT 15980 GILMAN SPRINGS ROAD MORENO VALLEY CA 925550000	HAZNET
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SIC Code:		Mailing City:	MORENO VALLEY
NAICS Code:		Mailing State:	CA
EPA ID:	CAL000067663	Mailing Zip:	925550000
Create Date:	4/14/1992	Region Code:	4
Fac Act Ind:	No	Owner Name:	INDUSTRIAL ASPHALT
Inact Date:	6/30/1995	Owner Addr 1:	15980 GILMAN SPRINGS ROAD
File Source:	File Sent By Department	Owner Addr 2:	
County Code:	33	Owner City:	MORENO VALLEY
County Name:	Riverside	Owner State:	CA
Mail Name:		Owner Zip:	925550000
Mailing Addr 1:	15980 GILMAN SPRINGS ROAD	Owner Phone:	7146543300
Mailing Addr 2:		Owner Fax:	

Contact Information

Contact Name: INACTIVE PER 95 FEE FORM
Street Address 1: 15980 GILMAN SPRINGS ROAD
Street Address 2:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
City:		MORENO VALLEY				
State:		CA				
Zip:		925550000				
Phone:		7146543300				

10	10 of 14	ENE	0.01 / 59.68	1,508.58	1X MORENO VALLEY SAND & GRAVEL 15980 GILMAN SPRINGS ROAD MORENO VALLEY CA 923880000	HAZNET
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SIC Code:		Mailing City:	MORENO VALLEY
NAICS Code:		Mailing State:	CA
EPA ID:	CAC000081789	Mailing Zip:	923880000
Create Date:	4/29/1988	Region Code:	4
Fac Act Ind:	No	Owner Name:	--
Inact Date:	10/25/2000	Owner Addr 1:	--
File Source:	File Sent By Department	Owner Addr 2:	--
County Code:	33	Owner City:	--
County Name:	Riverside	Owner State:	99
Mail Name:		Owner Zip:	--
Mailing Addr 1:	--	Owner Phone:	0000000000
Mailing Addr 2:		Owner Fax:	

Contact Information

Contact Name:	JOHN BENNETT
Street Address 1:	
Street Address 2:	
City:	
State:	99
Zip:	
Phone:	2132582777

10	11 of 14	ENE	0.01 / 59.68	1,508.58	CALMAT CO/MORENO VALLEY 15980 GILMAN SPRINGS RD MORENO VALLEY CA 925550000	HAZNET
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SIC Code:	1442	Mailing City:	LOS ANGELES
NAICS Code:	212321	Mailing State:	CA
EPA ID:	CAL000004498	Mailing Zip:	900510950
Create Date:	11/14/1989	Region Code:	4
Fac Act Ind:	No	Owner Name:	CALMAT CO
Inact Date:	6/30/2004	Owner Addr 1:	3200 SAN FERNANDO RD
File Source:	File Sent By Department	Owner Addr 2:	
County Code:	33	Owner City:	LOS ANGELES
County Name:	Riverside	Owner State:	CA
Mail Name:	TERMINAL ANNEX	Owner Zip:	900650000
Mailing Addr 1:	PO BOX 2950	Owner Phone:	3232582777
Mailing Addr 2:		Owner Fax:	

Contact Information

Contact Name:	B WOYSHNER-REGIONAL ENVIR MGR
Street Address 1:	3200 SAN FERNANDO RD
Street Address 2:	
City:	LOS ANGELES
State:	CA
Zip:	900650000
Phone:	3232582777

Tanner Information

Generator EPA ID:	CAL000004498
Generator County Code:	33
Generator County:	Riverside

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
TSD EPA ID:			CAT080013352			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			135			
State Waste Code Desc.:			Unspecified aqueous solution			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.462			
Year:			1994			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080013352			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:						
Method Description:						
Tons:			0.76			
Year:			1994			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080013352			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			0.19			
Year:			1994			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080025711			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:			221			
State Waste Code Desc.:			Waste oil and mixed oil			
Method Code:			R01			
Method Description:			Recycler			
Tons:			1.9			
Year:			1993			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAD028409019			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:			241			
State Waste Code Desc.:			Tank bottom waste			
Method Code:			T01			
Method Description:			Treatment, tank			
Tons:			0.417			
Year:			2000			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613927			
TSD County Code:			36			
TSD County:			San Bernardino			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code:			741			
State Waste Code Desc.:			Liquids with halogenated organic compounds >= 1,000 Mg./L			
Method Code:						
Method Description:						
Tons:			0.01			
Year:			1993			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613927			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:			741			
State Waste Code Desc.:			Liquids with halogenated organic compounds >= 1,000 Mg./L			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			1.0755			
Year:			1993			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613927			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:			741			
State Waste Code Desc.:			Liquids with halogenated organic compounds >= 1,000 Mg./L			
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0.4874			
Year:			1994			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT080013352			
TSD County Code:			19			
TSD County:			Los Angeles			
State Waste Code:						
State Waste Code Desc.:						
Method Code:			R01			
Method Description:			Recycler			
Tons:			0			
Year:			1994			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613927			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:						
State Waste Code Desc.:						
Method Code:			H01			
Method Description:			Transfer station			
Tons:			0			
Year:			1993			
Generator EPA ID:			CAL000004498			
Generator County Code:			33			
Generator County:			Riverside			
TSD EPA ID:			CAT000613927			
TSD County Code:			36			
TSD County:			San Bernardino			
State Waste Code:						
State Waste Code Desc.:						
Method Code:			H01			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Method Description:		Transfer station				
Tons:		0.075				
Year:		1994				

10	12 of 14	ENE	0.01 / 59.68	1,508.58	VULCAN MATERIALS 15980 GILMAN SPRINGS RD MORENO VALLEY CA 925550000	HAZNET
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SIC Code:		Mailing City:	LOS ANGELES
NAICS Code:		Mailing State:	CA
EPA ID:	CAC002355551	Mailing Zip:	900650000
Create Date:	5/16/2001	Region Code:	4
Fac Act Ind:	No	Owner Name:	VULCAN MATERIALS
Inact Date:	1/11/2002	Owner Addr 1:	3200 SAN FERNANDO RD
File Source:	File Sent By Department	Owner Addr 2:	
County Code:	33	Owner City:	LOS ANGELES
County Name:	Riverside	Owner State:	CA
Mail Name:		Owner Zip:	900650000
Mailing Addr 1:	3200 SAN FERNANDO RD	Owner Phone:	0000000000
Mailing Addr 2:		Owner Fax:	

Contact Information

Contact Name:	BILL BENNET/ PROJ MGR
Street Address 1:	3200 SAN FERNANDO RD
Street Address 2:	
City:	LOS ANGELES
State:	CA
Zip:	900650000
Phone:	6264375983

Tanner Information

Generator EPA ID:	CAC002355551
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAT080033681
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	0.185
Year:	2001
Generator EPA ID:	CAC002355551
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.813
Year:	2001
Generator EPA ID:	CAC002355551
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAT080033681
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	223

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
State Waste Code Desc.:		Unspecified oil-containing waste				
Method Code:		D80				
Method Description:		Disposal, landfill				
Tons:		0.2293				
Year:		2001				

10	13 of 14	ENE	0.01 / 59.68	1,508.58	1X STANDARD CONCRETE PRODUCTS 15980 GILMAN SPRINGS RD MARINO VALLEY CA 927010000	HAZNET
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SIC Code:
NAICS Code:
EPA ID: CAD000328906
Create Date: 3/6/1987
Fac Act Ind: No
Inact Date: 1/1/1991
File Source: File Sent By Department
County Code: 30
County Name: Orange
Mail Name:
Mailing Addr 1: 117 W 4TH ST
Mailing Addr 2:

Mailing City: SANTA ANA
Mailing State: CA
Mailing Zip: 927010000
Region Code: 4
Owner Name: DAVE HOROWITZ
Owner Addr 1: --
Owner Addr 2: --
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000
Owner Fax:

Contact Information

Contact Name: JOE LAMPHEAR
Street Address 1:
Street Address 2:
City:
State: 99
Zip:
Phone: 7149743106

10	14 of 14	ENE	0.01 / 59.68	1,508.58	1X MORENO VALLEY SAND AND GRAVEL 15980 GILMAN SPRINGS RD MORENO CA 923600000	HAZNET
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SIC Code:
NAICS Code:
EPA ID: CAC000041426
Create Date: 10/8/1987
Fac Act Ind: No
Inact Date: 10/25/2000
File Source: File Sent By Department
County Code: 33
County Name: Riverside
Mail Name:
Mailing Addr 1: 15980 GILMAN SPRINGS RD
Mailing Addr 2:

Mailing City: MORENO
Mailing State: CA
Mailing Zip: 923600000
Region Code: 4
Owner Name: HAL JENSON
Owner Addr 1: --
Owner Addr 2: --
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000
Owner Fax:

Contact Information

Contact Name: SHELDON KOERNER
Street Address 1:
Street Address 2:
City:
State: 99
Zip:
Phone: 7146547361

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
11	1 of 2	ENE	0.10 / 511.83	1,455.19	M & H Transport 34005 Gilman Sprgs Rd Moreno Valley CA 92555	RIVERSIDE HWG
11	2 of 2	ENE	0.10 / 511.83	1,455.19	M & H Transport 34005 Gilman Sprgs Rd Moreno Valley CA 92555	RIVERSIDE HZH
12	1 of 1	SSW	0.39 / 2,046.78	1,452.89	Hy-Line International 31111 Reservoir Ave Lakeview CA	RIVERSIDE LOP
Site ID: 94406 Status Code: 9 Status Desc: CLOSED/ACTION COMPLETED Case Type Code: U Case Type Desc: UNDEFINED Closed Code: Y Closed Desc: CLOSED SITE Employee: Brown						
13	1 of 1	SSW	0.41 / 2,172.90	1,455.25	Hy-Line International 31111 RESERVOIR AVE LAKEVIEW CA 92550	LUST
Global ID: T0606500383 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 1997-09-25 00:00:00 RB Case Number: 083302501T LOC Case Number: 94406 CUF Case: NO Potential Cntm of Concrn: Gasoline Potential Media Affected: Soil County: Riverside Latitude: 33.8378392478063 Longitude: -117.118854706152 Lead Agency: RIVERSIDE COUNTY LOP Case Worker: UNK Local Agency: RIVERSIDE COUNTY LOP File Location: Local Agency Warehouse						
Status History						
Status:		Open - Remediation				
Status Date:		1994-03-31 00:00:00				
Status:		Open - Case Begin Date				
Status Date:		1994-03-31 00:00:00				
Status:		Open - Site Assessment				
Status Date:		1994-05-31 00:00:00				
Status:		Open - Site Assessment				
Status Date:		1994-08-18 00:00:00				
Status:		Open - Site Assessment				
Status Date:		1994-11-22 00:00:00				
Status:		Completed - Case Closed				
Status Date:		1997-09-25 00:00:00				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev (ft)</i>	<i>Site</i>	<i>DB</i>
Activities						
Action Type:					REMEDIATION	
Date:					1994-04-01 00:00:00	
Action:					Other (Use Description Field)	
Action Type:					Other	
Date:					1994-04-01 00:00:00	
Action:					Leak Discovery	
Action Type:					Other	
Date:					1994-04-01 00:00:00	
Action:					Leak Stopped	
Action Type:					Other	
Date:					1994-05-31 00:00:00	
Action:					Leak Reported	
Action Type:					ENFORCEMENT	
Date:					1997-09-24 00:00:00	
Action:					File review - #RCDEH Upload Site File 5/15/2015	
Action Type:					ENFORCEMENT	
Date:					1997-09-25 00:00:00	
Action:					Closure/No Further Action Letter - #Riv Co Closure	
Action Type:					ENFORCEMENT	
Date:					1997-09-25 00:00:00	
Action:					Closure/No Further Action Letter	
Contact Information						
Contact Type:					Local Agency Caseworker	
Contact Name:					UNK	
Organization Name:					RIVERSIDE COUNTY LOP	
Address:					3880 LEMON ST SUITE 200	
City:					RIVERSIDE	
Email:						
Phone Number:						
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:						

14

1 of 1

ENE

0.02 / 105.60

1,499.76

**SOUTHERN CALIFORNIA
LANDSCAPE SUPPLY
COMPOSTING FAC
17520 BRIDGE STREET
LAKEVIEW CA 92555**

FINDS/FRS

Registry ID: 110065995418
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code:
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor:
County Name: RIVERSIDE
Source:
SIC Codes:
SIC Code Descriptions:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Federal Facility Code: NAICS Codes: NAICS Code Descriptions: Federal Agency Name: US/Mexico Border Ind: Congressional Dist No: Census Block Code: Create Date: 14-OCT-2015 09:23:45 Update Date: Location Description: Supplemental Location: 17520 BRIDGE STREET Tribal Land Code: Tribal Land Name: Latitude: Longitude: Coord Collection Method: Accuracy Value: Datum: NAD83 Reference Point: Interest Types: STATE MASTER Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065995418						

15	1 of 1	ENE	0.16 / 846.03	1,548.72	INDUSTRIAL ASPHALT 15980 GILMAN SPRINGS RD MORENO VALLEY CA 92388	LUST
Global ID: T0606500027 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 1986-10-21 00:00:00 RB Case Number: 083300193T LOC Case Number: CUF Case: NO Potential Cntm of Concrn: Waste Oil / Motor / Hydraulic / Lubricating Potential Media Affected: Soil County: Riverside Latitude: 33.891861 Longitude: -117.070769 Lead Agency: RIVERSIDE COUNTY LOP Case Worker: UNK Local Agency: RIVERSIDE COUNTY LOP File Location:						
Status History						
Status: Completed - Case Closed Status Date: 1986-10-21 00:00:00						
Status: Open - Case Begin Date Status Date: 1986-10-21 00:00:00						
Activities						
Action Type: Other Date: 1986-10-21 00:00:00 Action: Leak Reported						
Action Type: ENFORCEMENT Date: 1986-10-21 00:00:00 Action: Closure/No Further Action Letter						
Contact Information						
Contact Type: Local Agency Caseworker Contact Name: UNK Organization Name: RIVERSIDE COUNTY LOP						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Address:		3880 LEMON ST SUITE 200				
City:		RIVERSIDE				
Email:						
Phone Number:						

16	1 of 1	NW	0.86 / 4,565.77	2,692.20	MARCH LIGHT ANNEX NR2 RIVERSIDE CA	ENVIROSTOR
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Estor/EPA ID: 80000717
Site Code:
Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 7/1/2005
Site Type: FUDS
Potential Media Affected: NONE SPECIFIED
Past Uses Caused Contam: NONE SPECIFIED
APN: NONE SPECIFIED
National Priorities List: NO
Cleab up Oversight Agenci: DTSC - SITE CLEANUP PROGRAM - LEAD
Special Program:
Funding: DERA
Acres: NONE SPECIFIED
School District:
Assembly District: 61
Senate District: 31
Zip:

Facility Information

Program Type: MILITARY EVALUATION
Status: INACTIVE - NEEDS EVALUATION
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=80000717

18	1 of 2	ESE	0.14 / 734.62	1,436.23	Agriscap Inc. Composting FAC 18712 Bridge Street Lakeview CA 92550	CLEANUP SITES
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Global ID: T10000004167
Case Type: Land Disposal Site
Status: Completed - Case Closed
Status Date: 2015-12-31 00:00:00
RB Case Number: 8 332831001
LOC Case Number:
CUF Case: NO
County: Riverside
Latitude: 33.8577
Longitude: -117.060275
Lead Agency: SANTA ANA RWQCB (REGION 8)
Case Worker: JPL
Local Agency:
File Location: Regional Board
Potential Cntm of Concrn:
Potential Media Affected:

Site History:

An unpermitted, existing greenwaste composting facility, located within the 100-year San Jacinto River floodplain and floodway, in Lakeview since 2006. Agriscap could not meet the Board's requirements to file a complete Report of Waste Discharge application for this facility. The facility ceased composting operations and was clean-closed by 12/31/2015.

Status History

Status: Open - Operating
Status Date: 2009-06-10 00:00:00
Status: Open - Case Begin Date

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Status Date:			2009-06-17 00:00:00			
Status:			Open - Site Assessment			
Status Date:			2009-06-17 00:00:00			
Status:			Open - Proposed			
Status Date:			2009-06-19 00:00:00			
Status:			Open - Operating			
Status Date:			2009-06-19 00:00:00			
Status:			Open - Proposed			
Status Date:			2009-06-20 00:00:00			
Status:			Open - Site Assessment			
Status Date:			2012-07-06 00:00:00			
Status:			Open - Operating			
Status Date:			2014-01-01 00:00:00			
Status:			Open - Proposed			
Status Date:			2014-01-02 00:00:00			
Status:			Completed - Case Closed			
Status Date:			2015-12-31 00:00:00			
Activities						
Action Type:			ENFORCEMENT			
Date:			2009-07-15 00:00:00			
Action:			Letter - Notice			
Action Type:			ENFORCEMENT			
Date:			2009-12-17 00:00:00			
Action:			Technical Correspondence / Assistance / Other			
Action Type:			ENFORCEMENT			
Date:			2010-07-21 00:00:00			
Action:			Technical Correspondence / Assistance / Other			
Action Type:			ENFORCEMENT			
Date:			2011-09-30 00:00:00			
Action:			Letter - Notice			
Action Type:			ENFORCEMENT			
Date:			2011-10-07 00:00:00			
Action:			Technical Correspondence / Assistance / Other			
Action Type:			ENFORCEMENT			
Date:			2011-10-11 00:00:00			
Action:			Site Visit / Inspection / Sampling			
Action Type:			ENFORCEMENT			
Date:			2011-10-12 00:00:00			
Action:			Technical Correspondence / Assistance / Other			
Action Type:			ENFORCEMENT			
Date:			2012-03-08 00:00:00			
Action:			Technical Correspondence / Assistance / Other			
Action Type:			ENFORCEMENT			
Date:			2012-04-23 00:00:00			
Action:			Technical Correspondence / Assistance / Other			
Action Type:			ENFORCEMENT			
Date:			2012-06-13 00:00:00			
Action:			Letter - Notice			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Action Type:					ENFORCEMENT	
Date:					2012-06-15 00:00:00	
Action:					Technical Correspondence / Assistance / Other	
Action Type:					ENFORCEMENT	
Date:					2013-06-11 00:00:00	
Action:					Site Visit / Inspection / Sampling	
Action Type:					ENFORCEMENT	
Date:					2013-07-02 00:00:00	
Action:					Notice of Violation	
Action Type:					ENFORCEMENT	
Date:					2013-09-19 00:00:00	
Action:					Site Visit / Inspection / Sampling	
Action Type:					ENFORCEMENT	
Date:					2014-04-08 00:00:00	
Action:					Site Visit / Inspection / Sampling	
Action Type:					ENFORCEMENT	
Date:					2014-04-24 00:00:00	
Action:					Site Visit / Inspection / Sampling	
Action Type:					ENFORCEMENT	
Date:					2014-05-28 00:00:00	
Action:					Notice of Violation	
Action Type:					ENFORCEMENT	
Date:					2014-08-29 00:00:00	
Action:					Site Visit / Inspection / Sampling	
Action Type:					ENFORCEMENT	
Date:					2015-07-02 00:00:00	
Action:					Site Visit / Inspection / Sampling	
Action Type:					ENFORCEMENT	
Date:					2015-08-05 00:00:00	
Action:					Site Visit / Inspection / Sampling	
Action Type:					ENFORCEMENT	
Date:					2015-12-01 00:00:00	
Action:					Site Visit / Inspection / Sampling	
Contact Information						
Contact Type:					Regional Board Caseworker	
Contact Name:					JOANNE LEE	
Organization Name:					SANTA ANA RWQCB (REGION 8)	
Address:					3737 MAIN STREET, SUITE 500	
City:					RIVERSIDE	
Email:					jplee@waterboards.ca.gov	
Phone Number:						

[18](#)

2 of 2

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0.14 / 734.62

1,436.23

AGRISCAPE INC. COMPOSTING
FAC
18712 BRIDGE STREET
LAKEVIEW CA 92550

LDS

Facility ID:

T10000004167

Site Facility Type:

LAND DISPOSAL SITE

Cleanup Status:

COMPLETED - CASE CLOSED

Cleanup Status Detail:

COMPLETED - CASE CLOSED AS OF 12/31/2015

Cleanup History Link:

http://geotracker.waterboards.ca.gov/profile_report_include.asp?global_id=T10000004167&tabname=regulatoryhistory

Report Link:

http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000004167

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
File Location:		REGIONAL BOARD				
County:		RIVERSIDE				
DWR Grndwtr Sub Basin:		San Jacinto (8-5)				
RB Watershed:		San Jacinto Valley - San Jacinto - Gilman Hot Springs (802.21)				
Future LU Reptd at Closure:						
Potential Contaminants:		NONE SPECIFIED				
Beneficial Use:		NONE SPECIFIED				
Post Closure Site Mgmt R:						

SITE HISTORY:

An unpermitted, existing greenwaste composting facility, located within the 100-year San Jacinto River floodplain and floodway, in Lakeview since 2006. Agriscap could not meet the Board's requirements to file a complete Report of Waste Discharge application for this facility. The facility ceased composting operations and was clean-closed by 12/31/2015.

Cleanup History

Date:	6/10/2009
Status:	Open - Operating
Date:	6/17/2009
Status:	Open - Case Begin Date
Date:	6/17/2009
Status:	Open - Site Assessment
Date:	6/19/2009
Status:	Open - Operating
Date:	6/19/2009
Status:	Open - Proposed
Date:	6/20/2009
Status:	Open - Proposed
Date:	7/6/2012
Status:	Open - Site Assessment
Date:	1/1/2014
Status:	Open - Operating
Date:	1/2/2014
Status:	Open - Proposed
Date:	12/31/2015
Status:	Completed - Case Closed

Regulatory Activities

Action Type:	OTHER REGULATORY ACTIONS
Action:	Technical Correspondence / Assistance / Other
Action Date:	6/15/2012
Received Issue Date:	6/15/2012
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6128900
Action Type:	NOTICES
Action:	Letter - Notice
Action Date:	6/13/2012
Received Issue Date:	6/13/2012
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6128890
Action Type:	NOTICES
Action:	Letter - Notice
Action Date:	9/30/2011
Received Issue Date:	9/30/2011
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6128888

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev (ft)</i>	<i>Site</i>	<i>DB</i>
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Site Visit / Inspection / Sampling			
Action Date:			8/29/2014			
Received Issue Date:			8/29/2014			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6284019			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Site Visit / Inspection / Sampling			
Action Date:			4/24/2014			
Received Issue Date:			4/24/2014			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6284024			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Site Visit / Inspection / Sampling			
Action Date:			7/2/2015			
Received Issue Date:			7/2/2015			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6284023			
Action Type:			ENFORCEMENT/ORDERS			
Action:			Notice of Violation			
Action Date:			5/28/2014			
Received Issue Date:			5/28/2014			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6204739			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Site Visit / Inspection / Sampling			
Action Date:			4/8/2014			
Received Issue Date:			4/8/2014			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6284025			
Action Type:			ENFORCEMENT/ORDERS			
Action:			Notice of Violation			
Action Date:			7/2/2013			
Received Issue Date:			7/2/2013			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6165883			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Technical Correspondence / Assistance / Other			
Action Date:			4/23/2012			
Received Issue Date:			4/23/2012			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6128901			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Technical Correspondence / Assistance / Other			
Action Date:			10/12/2011			
Received Issue Date:			10/12/2011			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6128895			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Technical Correspondence / Assistance / Other			
Action Date:			12/17/2009			
Received Issue Date:			12/17/2009			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6128893			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Site Visit / Inspection / Sampling			
Action Date:			6/11/2013			
Received Issue Date:			6/11/2013			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev (ft)</i>	<i>Site</i>	<i>DB</i>
Doc Link:					http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6284028	
Action Type:					OTHER REGULATORY ACTIONS	
Action:					Technical Correspondence / Assistance / Other	
Action Date:					7/21/2010	
Received Issue Date:					7/21/2010	
Doc Link:					http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6128894	
Action Type:					OTHER REGULATORY ACTIONS	
Action:					Site Visit / Inspection / Sampling	
Action Date:					9/19/2013	
Received Issue Date:					9/19/2013	
Doc Link:					http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6284026	
Action Type:					NOTICES	
Action:					Letter - Notice	
Action Date:					7/15/2009	
Received Issue Date:					7/15/2009	
Doc Link:					http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6128891	
Action Type:					OTHER REGULATORY ACTIONS	
Action:					Site Visit / Inspection / Sampling	
Action Date:					12/1/2015	
Received Issue Date:					12/1/2015	
Doc Link:					http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6284053	
Action Type:					OTHER REGULATORY ACTIONS	
Action:					Site Visit / Inspection / Sampling	
Action Date:					8/5/2015	
Received Issue Date:					8/5/2015	
Doc Link:					http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6284021	
Action Type:					OTHER REGULATORY ACTIONS	
Action:					Technical Correspondence / Assistance / Other	
Action Date:					3/8/2012	
Received Issue Date:					3/8/2012	
Doc Link:					http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6128897	
Action Type:					OTHER REGULATORY ACTIONS	
Action:					Site Visit / Inspection / Sampling	
Action Date:					10/11/2011	
Received Issue Date:					10/11/2011	
Doc Link:					http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6284031	
Action Type:					OTHER REGULATORY ACTIONS	
Action:					Technical Correspondence / Assistance / Other	
Action Date:					10/7/2011	
Received Issue Date:					10/7/2011	
Doc Link:					http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000004167&enforcement_id=6128896	

[19](#)

1 of 2

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0.14 / 731.64

1,433.33

**Southern California Landscape
Supply Composting Fac
17520 Bridge Street
Lakeview CA 92555**

**CLEANUP
SITES**

Global ID:
Case Type:
Status:

T10000003523
Land Disposal Site
Open - Operating

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Status Date:		2014-01-01 00:00:00				
RB Case Number:		8 332832001				
LOC Case Number:						
CUF Case:		NO				
County:		Riverside				
Latitude:		33.8661484383658				
Longitude:		-117.046140432358				
Lead Agency:		SANTA ANA RWQCB (REGION 8)				
Case Worker:		JPL				
Local Agency:						
File Location:		Regional Board				
Potential Cntm of Concrn:						
Potential Media Affected:						

Site History:

A greenwaste/maunure composting facility regulated by the Regional Board under Board Order No. R8-2011-0047. A copy of Order No. R8-2011-0047 can be accessed under "Site Documents" or "Activities Reports".

Status History

Status:	Open - Case Begin Date
Status Date:	2011-08-09 00:00:00
Status:	Open - Verification Monitoring
Status Date:	2012-02-02 00:00:00
Status:	Open - Operating
Status Date:	2014-01-01 00:00:00

Activities

Action Type:	ENFORCEMENT
Date:	2009-04-02 00:00:00
Action:	Technical Correspondence / Assistance / Other
Action Type:	ENFORCEMENT
Date:	2009-09-17 00:00:00
Action:	Technical Correspondence / Assistance / Other
Action Type:	ENFORCEMENT
Date:	2010-10-29 00:00:00
Action:	Technical Correspondence / Assistance / Other
Action Type:	RESPONSE
Date:	2011-06-21 00:00:00
Action:	Other Report / Document
Action Type:	RESPONSE
Date:	2011-06-21 00:00:00
Action:	Correspondence
Action Type:	ENFORCEMENT
Date:	2011-08-09 00:00:00
Action:	Technical Correspondence / Assistance / Other
Action Type:	ENFORCEMENT
Date:	2011-10-11 00:00:00
Action:	Site Visit / Inspection / Sampling
Action Type:	RESPONSE
Date:	2011-10-12 00:00:00
Action:	Other Report / Document
Action Type:	RESPONSE
Date:	2011-10-25 00:00:00
Action:	Other Report / Document

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Action Type:			ENFORCEMENT			
Date:			2011-11-03 00:00:00			
Action:			Letter - Notice			
Action Type:			ENFORCEMENT			
Date:			2011-12-09 00:00:00			
Action:			Waste Discharge Requirements			
Action Type:			ENFORCEMENT			
Date:			2012-06-15 00:00:00			
Action:			Staff Letter			
Action Type:			RESPONSE			
Date:			2012-06-22 00:00:00			
Action:			Monitoring Report - Semi-Annually			
Action Type:			RESPONSE			
Date:			2013-05-21 00:00:00			
Action:			Monitoring Report - Annually			
Action Type:			ENFORCEMENT			
Date:			2013-06-11 00:00:00			
Action:			Staff Letter			
Action Type:			ENFORCEMENT			
Date:			2013-06-11 00:00:00			
Action:			Site Visit / Inspection / Sampling			
Action Type:			ENFORCEMENT			
Date:			2014-02-07 00:00:00			
Action:			Staff Letter			
Action Type:			ENFORCEMENT			
Date:			2014-03-07 00:00:00			
Action:			Site Visit / Inspection / Sampling			
Action Type:			RESPONSE			
Date:			2014-09-05 00:00:00			
Action:			Monitoring Report - Semi-Annually - Regulator Responded			
Action Type:			RESPONSE			
Date:			2014-10-31 00:00:00			
Action:			Monitoring Report - Semi-Annually - Regulator Responded			
Action Type:			ENFORCEMENT			
Date:			2014-12-10 00:00:00			
Action:			Site Visit / Inspection / Sampling			
Action Type:			ENFORCEMENT			
Date:			2014-12-11 00:00:00			
Action:			Staff Letter			
Action Type:			RESPONSE			
Date:			2015-04-30 00:00:00			
Action:			Other Report / Document			
Action Type:			RESPONSE			
Date:			2015-05-07 00:00:00			
Action:			Monitoring Report - Semi-Annually - Regulator Responded			
Action Type:			ENFORCEMENT			
Date:			2015-07-17 00:00:00			
Action:			Email Correspondence			
Action Type:			ENFORCEMENT			
Date:			2015-10-15 00:00:00			
Action:			Site Visit / Inspection / Sampling			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Action Type:		ENFORCEMENT				
Date:		2016-01-12 00:00:00				
Action:		Site Visit / Inspection / Sampling				
Action Type:		ENFORCEMENT				
Date:		2016-05-05 00:00:00				
Action:		Verbal Enforcement				
Contact Information						
Contact Type:		Regional Board Caseworker				
Contact Name:		JOANNE LEE				
Organization Name:		SANTA ANA RWQCB (REGION 8)				
Address:		3737 MAIN STREET, SUITE 500				
City:		RIVERSIDE				
Email:		jplee@waterboards.ca.gov				
Phone Number:						

19	2 of 2	E	0.14 / 731.64	1,433.33	SOUTHERN CALIFORNIA LANDSCAPE SUPPLY COMPOSTING FAC 17520 BRIDGE STREET LAKEVIEW CA 92555	LDS
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Facility ID: T10000003523
Site Facility Type: LAND DISPOSAL SITE
Cleanup Status: OPEN - OPERATING
Cleanup Status Detail: OPEN - OPERATING AS OF 1/1/2014
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include.asp?global_id=T10000003523&tabname=regulatoryhistory
Report Link: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000003523
File Location: REGIONAL BOARD
County: RIVERSIDE
DWR Grndwtr Sub Basin: San Jacinto (8-5)
RB Watershed: San Jacinto Valley - San Jacinto - Gilman Hot Springs (802.21)
Future LU Reptd at Closure:
Potential Contaminants: NONE SPECIFIED
Beneficial Use: NONE SPECIFIED
Post Closure Site Mgmt R:

SITE HISTORY:

A greenwaste/maunure composting facility regulated by the Regional Board under Board Order No. R8-2011-0047. A copy of Order No. R8-2011-0047 can be accessed under "Site Documents" or "Activities Reports".

Cleanup History

Date: 8/9/2011
Status: Open - Case Begin Date

Date: 2/2/2012
Status: Open - Verification Monitoring

Date: 1/1/2014
Status: Open - Operating

Regulatory Activities

Action Type: OTHER REGULATORY ACTIONS
Action: Site Visit / Inspection / Sampling
Action Date: 1/12/2016
Received Issue Date: 1/12/2016
Doc Link: http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000003523&enforcement_id=6265309

Action Type: ENFORCEMENT/ORDERS
Action: Staff Letter

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Action Date:			6/11/2013			
Received Issue Date:			6/11/2013			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000003523&enforcement_id=6257780			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Site Visit / Inspection / Sampling			
Action Date:			6/11/2013			
Received Issue Date:			6/11/2013			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000003523&enforcement_id=6257723			
Action Type:			RESPONSE REQUESTED - REPORTS			
Action:			Monitoring Report - Annually			
Action Date:			5/21/2013			
Received Issue Date:			5/21/2013			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000003523&doc_id=5853716			
Action Type:			ENFORCEMENT/ORDERS			
Action:			Waste Discharge Requirements			
Action Date:			12/9/2011			
Received Issue Date:			12/9/2011			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000003523&enforcement_id=6112501			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Site Visit / Inspection / Sampling			
Action Date:			10/11/2011			
Received Issue Date:			10/11/2011			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000003523&enforcement_id=6257559			
Action Type:			RESPONSE REQUESTED - OTHER			
Action:			Correspondence			
Action Date:			6/21/2011			
Received Issue Date:			6/21/2011			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000003523&doc_id=5853711			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Technical Correspondence / Assistance / Other			
Action Date:			9/17/2009			
Received Issue Date:			9/17/2009			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000003523&enforcement_id=6257779			
Action Type:			RESPONSE REQUESTED - REPORTS			
Action:			Monitoring Report - Semi-Annually			
Action Date:			6/15/2016			
Received Issue Date:			6/15/2016			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000003523&doc_id=5892068			
Action Type:			ENFORCEMENT/ORDERS			
Action:			Staff Letter			
Action Date:			6/15/2012			
Received Issue Date:			6/15/2012			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000003523&enforcement_id=6257560			
Action Type:			RESPONSE REQUESTED - OTHER			
Action:			Other Report / Document			
Action Date:			10/12/2011			
Received Issue Date:			10/12/2011			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000003523&doc_id=5854201			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Technical Correspondence / Assistance / Other			
Action Date:			10/29/2010			
Received Issue Date:			10/29/2010			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000003523&enforcement_id=6257724			
Action Type:			OTHER REGULATORY ACTIONS			
Action:			Technical Correspondence / Assistance / Other			
Action Date:			4/2/2009			
Received Issue Date:			4/2/2009			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000003523&enforcement_id=6257781			
Action Type:			RESPONSE REQUESTED - REPORTS			
Action:			Monitoring Report - Semi-Annually - Regulator Responded			
Action Date:			5/7/2015			
Received Issue Date:			5/7/2015			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000003523&doc_id=5849664			
Action Type:			RESPONSE REQUESTED - REPORTS			
Action:			Monitoring Report - Semi-Annually - Regulator Responded			
Action Date:			9/5/2014			
Received Issue Date:			9/5/2014			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000003523&doc_id=5852384			
Action Type:			ENFORCEMENT/ORDERS			
Action:			Verbal Enforcement			
Action Date:			5/5/2016			
Received Issue Date:			5/5/2016			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000003523&enforcement_id=6284009			
Action Type:			RESPONSE REQUESTED - OTHER			
Action:			Other Report / Document			
Action Date:			4/30/2015			
Received Issue Date:			12/30/2014			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000003523&doc_id=5825024			
Action Type:			ENFORCEMENT/ORDERS			
Action:			Staff Letter			
Action Date:			12/11/2014			
Received Issue Date:			12/11/2014			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000003523&enforcement_id=6257500			
Action Type:			RESPONSE REQUESTED - REPORTS			
Action:			Monitoring Report - Semi-Annually - Regulator Responded			
Action Date:			10/31/2014			
Received Issue Date:			3/3/2015			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000003523&doc_id=5849663			
Action Type:			ENFORCEMENT/ORDERS			
Action:			Staff Letter			
Action Date:			2/7/2014			
Received Issue Date:			2/7/2014			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=T10000003523&enforcement_id=6191781			
Action Type:			RESPONSE REQUESTED - REPORTS			
Action:			Monitoring Report - Semi-Annually			
Action Date:			6/22/2012			
Received Issue Date:			6/22/2012			
Doc Link:			http://geotracker.waterboards.ca.gov/view_documents_all.asp?global_id=T10000003523&doc_id=58537			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev (ft)</i>	<i>Site</i>	<i>DB</i>
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**STREET
PERRIS CA 92571**

Estor/EPA ID: 33010095
Site Code: 404374
Cleanup Status: NO FURTHER ACTION AS OF 11/14/2002
Site Type: SCHOOL
Potential Media Affected: SOIL
Past Uses Caused Contam: AGRICULTURAL - ROW CROPS
APN: NONE SPECIFIED
National Priorities List: NO
Cleab up Oversight Agenci: DTSC - SITE CLEANUP PROGRAM - LEAD
Special Program:
Funding: SCHOOL DISTRICT
Acres: 12 ACRES
School District: VAL VERDE UNIFIED SCHOOL DISTRICT
Assembly District: 61
Senate District: 31
Zip: 92571

Potential Contaminants:

DDD
DDE
DDT

Site History:

The approximate 12-acre site is currently, undeveloped, fallow land. Surrounding properties consists of generally agricultural land with a small residential development to the west. The site has been historically utilized for agricultural purposes, specifically potato farming, indicating the potential use of pesticides. DTSC reviewed and approved the PEA report with a no further action required determination.

This site was entered into Envirostor twice, once with Envirostor number 33010036 and 33010095. Project 33010036 information has been transferred to 33010095. Project 33010036 was deleted.

Facility Information

Program Type: SCHOOL EVALUATION
Status: NO FURTHER ACTION
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=33010095

Completed Activities

Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33010095&doc_id=6004114
Area Name:
Sub Area:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 11/14/2002
Comments: DTSC approved the Draft Preliminary Endangerment Assessment as the Final PEA. No further environmental investigation or cleanup was required at this site.
Activity Type: Completed Activities

Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33010095&doc_id=6004115
Area Name:
Sub Area:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 8/21/2002
Comments:
Activity Type: Completed Activities

Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33010095&enforcement_id=6004111
Area Name:
Sub Area:
Document Type: Environmental Oversight Agreement
Date Completed: 5/3/2002
Comments:
Activity Type: Completed Activities

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
20	2 of 2	SW	0.18 / 943.90	1,526.17	AVALON ELEMENTARY SCHOOL RAMONA EXPRESSWAY/RIDER STREET PERRIS CA 92571	SCH

ESTOR/EPA ID: 33010095
Site Code: 404374
Status: NO FURTHER ACTION
Cleanup Status: NO FURTHER ACTION AS OF 11/14/2002
Program Type: SCHOOL EVALUATION
Site Type: SCHOOL
National Priorities List: NO
CI Up Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD
Special Program:
County: RIVERSIDE
Funding: SCHOOL DISTRICT
APN: NONE SPECIFIED
Past Use Caused Contam: AGRICULTURAL - ROW CROPS
Potential Contam of Cncrn: DDD; DDE; DDT
Potential Media Affected: SOIL
Acres: 12 ACRES
School District: VAL VERDE UNIFIED SCHOOL DISTRICT
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=33010095
Assembly District: 61
Senate District: 31
Latitude: 33.83023
Longitude: -117.18071

SITE HISTORY:

The approximate 12-acre site is currently, undeveloped, fallow land. Surrounding properties consists of generally agricultural land with a small residential development to the west. The site has been historically utilized for agricultural purposes, specifically potato farming, indicating the potential use of pesticides. DTSC reviewed and approved the PEA report with a no further action required determination.

This site was entered into Envirostor twice, once with Envirostor number 33010036 and 33010095. Project 33010036 information has been transferred to 33010095. Project 33010036 was deleted.

Completed Activities

Date Completed: 5/3/2002
Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33010095&enforcement_id=6004111
Area Name:
Sub Area:
Document Type: Environmental Oversight Agreement
Comments:

Date Completed: 11/14/2002
Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33010095&doc_id=6004114
Area Name:
Sub Area:
Document Type: Preliminary Endangerment Assessment Report
Comments: DTSC approved the Draft Preliminary Endangerment Assessment as the Final PEA. No further environmental investigation or cleanup was required at this site.

Date Completed: 8/21/2002
Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33010095&doc_id=6004115
Area Name:
Sub Area:
Document Type: Preliminary Endangerment Assessment Workplan
Comments:

21	1 of 1	WSW	0.05 / 289.25	1,468.87	PORTABLE PLANT 1 3973 Barbury Palms Way Perris CA 92571	MINES
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Mine ID:	0405784				SIC:	14420
Company Name:	MAURIO WILSON				Secondary SIC 1:	00000
Status Code:	4				Secondary SIC 2:	00000
Mine Status:	Permanently Abandoned				Secondary SIC 3:	00000
Status Date:	20091216				Secondary SIC 4:	00000
Operation Class:	2				Secondary SIC 5:	00000
FIPS Cnty Nm:	Riverside				Lat Deg:	00
Current Op Name:	Maurio Wilson				Lat Min:	00
Current Cntrlr Nm:	Maurio Wilson				Lat Sec:	00
Primary SIC:	Construction Sand and Gravel				Long Deg:	000
Cur Cont Begin Dt:	06/15/2009				Long Min:	00
Current Mine Type:	Surface				Long Sec:	00
Cur Mine Status:	Abandoned				PO Box:	
Current Status Dt:	12/16/2009				State Code:	06
No of Shops:	0				State Abbr:	CA
No of Plants:	0				FIPS State:	CA
No of Pits:	000				FIPS State Abbrev:	California
County Code:	065					
Status Description:	The mine has been permanently shut down.					

--- Details ---

Event No:	1147641
Inspection Begin Dt:	08/26/2009
Inspection End Dt:	08/27/2009
Violation No:	6485322
Controller ID:	0086259
Controller Name:	Maurio Wilson
Violator ID:	0102008
Violator Name:	Maurio Wilson
Violator Type Cd:	Operator
Coal Metal Ind:	M
Contractor ID:	
Violation Issue Dt:	08/26/2009
Violation Occur Dt:	08/26/2009
Cal Yr:	2009
Cal Qtr:	3
Fiscal Yr:	2009
Fiscal Qtr:	4
Violation Issue Time:	0715
Sig Sub:	Yes
Section Of Act:	
Part Section:	56.9300(a)
Section Of Act 1:	104(a)
Section Of Act 2:	
Cit Ord Safe:	Citation
Orig Term Due Dt:	08/26/2009
Orig Term Due Time:	0745
Latest Term Due Dt:	08/26/2009
Latest Term Due Time:	0745
Termination Dt:	08/26/2009
Termination Time:	1050
Termination Type:	Terminated
Vacate Dt:	
Vacate Time:	
Initial Viol No:	
Replaced By Order No:	
Likelihood:	Reasonably
Inj Illness:	Permanent
No Affected:	1
Negligence:	ModNegligence
Written Notice:	
Enforcement Area:	
Special Assess:	No
Primary Or Mill:	Primary
Right To Conf Dt:	
Asmt Generated Ind:	No
Final Order Issue Dt:	11/21/2009

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Proposed Penalty:			108			
Amount Due:			108			
Amount Paid:			0			
Bill Print Dt:			10/15/2009			
Last Action Cd:			Treasury			
Last Action Dt:			04/29/2010			
Assess Case Status Cd:			Received			
Docket No:						
Docket Status Cd:						
Contested Ind:		No				
Contested Dt:						
Violator Violation Cnt:		0				
Violator Inspection Day Cnt:		0				
+						
Event No:			1147641			
Inspection Begin Dt:			08/26/2009			
Inspection End Dt:			08/27/2009			
Violation No:			6485327			
Controller ID:			0086259			
Controller Name:			Maurio Wilson			
Violator ID:			0102008			
Violator Name:			Maurio Wilson			
Violator Type Cd:			Operator			
Coal Metal Ind:			M			
Contractor ID:						
Violation Issue Dt:			08/26/2009			
Violation Occur Dt:			08/26/2009			
Cal Yr:			2009			
Cal Qtr:			3			
Fiscal Yr:			2009			
Fiscal Qtr:			4			
Violation Issue Time:			1020			
Sig Sub:			Yes			
Section Of Act:						
Part Section:			56.9300(a)			
Section Of Act 1:			104(a)			
Section Of Act 2:						
Cit Ord Safe:			Citation			
Orig Term Due Dt:			08/26/2009			
Orig Term Due Time:			1100			
Latest Term Due Dt:			08/26/2009			
Latest Term Due Time:			1100			
Termination Dt:			08/26/2009			
Termination Time:			1100			
Termination Type:			Terminated			
Vacate Dt:						
Vacate Time:						
Initial Viol No:						
Replaced By Order No:						
Likelihood:			Reasonably			
Inj Illness:			Permanent			
No Affected:			1			
Negligence:			ModNegligence			
Written Notice:						
Enforcement Area:						
Special Assess:		No				
Primary Or Mill:		Primary				
Right To Conf Dt:						
Asmt Generated Ind:		No				
Final Order Issue Dt:			11/21/2009			
Proposed Penalty:			108			
Amount Due:			108			
Amount Paid:			0			
Bill Print Dt:			10/15/2009			
Last Action Cd:			Treasury			
Last Action Dt:			04/29/2010			
Assess Case Status Cd:			Received			
Docket No:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Docket Status Cd:						
Contested Ind:		No				
Contested Dt:						
Violator Violation Cnt:		0				
Violator Inspection Day Cnt:		0				
+						
Event No:		1152328				
Inspection Begin Dt:		02/08/2010				
Inspection End Dt:		02/08/2010				
Violation No:		7980795				
Controller ID:		0086259				
Controller Name:		Maurio Wilson				
Violator ID:		0102008				
Violator Name:		Maurio Wilson				
Violator Type Cd:		Operator				
Coal Metal Ind:		M				
Contractor ID:						
Violation Issue Dt:		02/08/2010				
Violation Occur Dt:		01/16/2010				
Cal Yr:		2010				
Cal Qtr:		1				
Fiscal Yr:		2010				
Fiscal Qtr:		2				
Violation Issue Time:		1330				
Sig Sub:		No				
Section Of Act:						
Part Section:		50.30(a)				
Section Of Act 1:		104(a)				
Section Of Act 2:						
Cit Ord Safe:		Citation				
Orig Term Due Dt:		02/08/2010				
Orig Term Due Time:		1332				
Latest Term Due Dt:		02/08/2010				
Latest Term Due Time:		1332				
Termination Dt:		02/08/2010				
Termination Time:		1332				
Termination Type:		Terminated				
Vacate Dt:						
Vacate Time:						
Initial Viol No:						
Replaced By Order No:						
Likelihood:		NoLikelihood				
Inj Illness:		NoLostDays				
No Affected:		0				
Negligence:		HighNegligence				
Written Notice:						
Enforcement Area:						
Special Assess:		No				
Primary Or Mill:		Primary				
Right To Conf Dt:						
Asmt Generated Ind:		No				
Final Order Issue Dt:		04/23/2010				
Proposed Penalty:		100				
Amount Due:		100				
Amount Paid:		0				
Bill Print Dt:		03/18/2010				
Last Action Cd:		Treasury				
Last Action Dt:		09/30/2010				
Assess Case Status Cd:		Received				
Docket No:						
Docket Status Cd:						
Contested Ind:		No				
Contested Dt:						
Violator Violation Cnt:		9				
Violator Inspection Day Cnt:		2				
+						
Event No:		1152018				
Inspection Begin Dt:		08/03/2009				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Inspection End Dt:			08/03/2009			
Violation No:			7980551			
Controller ID:			0086259			
Controller Name:			Maurio Wilson			
Violator ID:			0102008			
Violator Name:			Maurio Wilson			
Violator Type Cd:			Operator			
Coal Metal Ind:			M			
Contractor ID:						
Violation Issue Dt:			08/03/2009			
Violation Occur Dt:			08/03/2009			
Cal Yr:			2009			
Cal Qtr:			3			
Fiscal Yr:			2009			
Fiscal Qtr:			4			
Violation Issue Time:			1505			
Sig Sub:			No			
Section Of Act:						
Part Section:			50.30(a)			
Section Of Act 1:			104(a)			
Section Of Act 2:						
Cit Ord Safe:			Citation			
Orig Term Due Dt:			08/07/2009			
Orig Term Due Time:			0800			
Latest Term Due Dt:			08/07/2009			
Latest Term Due Time:			0800			
Termination Dt:			08/06/2009			
Termination Time:			1418			
Termination Type:			Terminated			
Vacate Dt:						
Vacate Time:						
Initial Viol No:						
Replaced By Order No:						
Likelihood:			NoLikelihood			
Inj Illness:			NoLostDays			
No Affected:			0			
Negligence:			HighNegligence			
Written Notice:						
Enforcement Area:						
Special Assess:			No			
Primary Or Mill:			Primary			
Right To Conf Dt:						
Asmt Generated Ind:			No			
Final Order Issue Dt:			10/11/2009			
Proposed Penalty:			100			
Amount Due:			100			
Amount Paid:			0			
Bill Print Dt:			09/03/2009			
Last Action Cd:			Treasury			
Last Action Dt:			03/11/2010			
Assess Case Status Cd:			Received			
Docket No:						
Docket Status Cd:						
Contested Ind:			No			
Contested Dt:						
Violator Violation Cnt:			0			
Violator Inspection Day Cnt:			0			
+						
Event No:			1147641			
Inspection Begin Dt:			08/26/2009			
Inspection End Dt:			08/27/2009			
Violation No:			6485325			
Controller ID:			0086259			
Controller Name:			Maurio Wilson			
Violator ID:			0102008			
Violator Name:			Maurio Wilson			
Violator Type Cd:			Operator			
Coal Metal Ind:			M			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Contractor ID:						
Violation Issue Dt:		08/26/2009				
Violation Occur Dt:		08/26/2009				
Cal Yr:		2009				
Cal Qtr:		3				
Fiscal Yr:		2009				
Fiscal Qtr:		4				
Violation Issue Time:		0850				
Sig Sub:		No				
Section Of Act:						
Part Section:		47.41(a)				
Section Of Act 1:		104(a)				
Section Of Act 2:						
Cit Ord Safe:		Citation				
Orig Term Due Dt:		08/27/2009				
Orig Term Due Time:		0800				
Latest Term Due Dt:		08/27/2009				
Latest Term Due Time:		0800				
Termination Dt:		08/27/2009				
Termination Time:		0918				
Termination Type:		Terminated				
Vacate Dt:						
Vacate Time:						
Initial Viol No:						
Replaced By Order No:						
Likelihood:		Unlikely				
Inj Illness:		LostDays				
No Affected:		1				
Negligence:		ModNegligence				
Written Notice:						
Enforcement Area:						
Special Assess:		No				
Primary Or Mill:		Primary				
Right To Conf Dt:						
Asmt Generated Ind:		No				
Final Order Issue Dt:		11/21/2009				
Proposed Penalty:		100				
Amount Due:		100				
Amount Paid:		0				
Bill Print Dt:		10/15/2009				
Last Action Cd:		Treasury				
Last Action Dt:		04/29/2010				
Assess Case Status Cd:		Received				
Docket No:						
Docket Status Cd:						
Contested Ind:		No				
Contested Dt:						
Violator Violation Cnt:		0				
Violator Inspection Day Cnt:		0				
+						
Event No:		1147641				
Inspection Begin Dt:		08/26/2009				
Inspection End Dt:		08/27/2009				
Violation No:		6485324				
Controller ID:		0086259				
Controller Name:		Maurio Wilson				
Violator ID:		0102008				
Violator Name:		Maurio Wilson				
Violator Type Cd:		Operator				
Coal Metal Ind:		M				
Contractor ID:						
Violation Issue Dt:		08/26/2009				
Violation Occur Dt:		08/26/2009				
Cal Yr:		2009				
Cal Qtr:		3				
Fiscal Yr:		2009				
Fiscal Qtr:		4				
Violation Issue Time:		0820				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Sig Sub:			Yes			
Section Of Act:						
Part Section:			56.14101(a)(2)			
Section Of Act 1:			104(a)			
Section Of Act 2:						
Cit Ord Safe:			Citation			
Orig Term Due Dt:			08/27/2009			
Orig Term Due Time:			0800			
Latest Term Due Dt:			08/27/2009			
Latest Term Due Time:			0800			
Termination Dt:			08/27/2009			
Termination Time:			1025			
Termination Type:			Terminated			
Vacate Dt:						
Vacate Time:						
Initial Viol No:						
Replaced By Order No:						
Likelihood:			Reasonably			
Inj Illness:			Fatal			
No Affected:			1			
Negligence:			ModNegligence			
Written Notice:						
Enforcement Area:						
Special Assess:			No			
Primary Or Mill:			Primary			
Right To Conf Dt:						
Asmt Generated Ind:			No			
Final Order Issue Dt:			11/21/2009			
Proposed Penalty:			243			
Amount Due:			243			
Amount Paid:			0			
Bill Print Dt:			10/15/2009			
Last Action Cd:			Treasury			
Last Action Dt:			04/29/2010			
Assess Case Status Cd:			Received			
Docket No:						
Docket Status Cd:						
Contested Ind:			No			
Contested Dt:						
Violator Violation Cnt:			0			
Violator Inspection Day Cnt:			0			
+						
Event No:			1147641			
Inspection Begin Dt:			08/26/2009			
Inspection End Dt:			08/27/2009			
Violation No:			6485323			
Controller ID:			0086259			
Controller Name:			Maurio Wilson			
Violator ID:			0102008			
Violator Name:			Maurio Wilson			
Violator Type Cd:			Operator			
Coal Metal Ind:			M			
Contractor ID:						
Violation Issue Dt:			08/26/2009			
Violation Occur Dt:			08/26/2009			
Cal Yr:			2009			
Cal Qtr:			3			
Fiscal Yr:			2009			
Fiscal Qtr:			4			
Violation Issue Time:			0750			
Sig Sub:			No			
Section Of Act:						
Part Section:			56.4104(b)			
Section Of Act 1:			104(a)			
Section Of Act 2:						
Cit Ord Safe:			Citation			
Orig Term Due Dt:			08/26/2009			
Orig Term Due Time:			0815			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Latest Term Due Dt:			08/26/2009			
Latest Term Due Time:			0815			
Termination Dt:			08/26/2009			
Termination Time:			0830			
Termination Type:			Terminated			
Vacate Dt:						
Vacate Time:						
Initial Viol No:						
Replaced By Order No:						
Likelihood:			Unlikely			
Inj Illness:			LostDays			
No Affected:			1			
Negligence:			ModNegligence			
Written Notice:						
Enforcement Area:						
Special Assess:			No			
Primary Or Mill:			Primary			
Right To Conf Dt:						
Asmt Generated Ind:			No			
Final Order Issue Dt:			11/21/2009			
Proposed Penalty:			100			
Amount Due:			100			
Amount Paid:			0			
Bill Print Dt:			10/15/2009			
Last Action Cd:			Treasury			
Last Action Dt:			04/29/2010			
Assess Case Status Cd:			Received			
Docket No:						
Docket Status Cd:						
Contested Ind:			No			
Contested Dt:						
Violator Violation Cnt:			0			
Violator Inspection Day Cnt:			0			
+						
Event No:			1147456			
Inspection Begin Dt:			11/17/2009			
Inspection End Dt:			11/17/2009			
Violation No:			8555015			
Controller ID:			0086259			
Controller Name:			Maurio Wilson			
Violator ID:			0102008			
Violator Name:			Maurio Wilson			
Violator Type Cd:			Operator			
Coal Metal Ind:			M			
Contractor ID:						
Violation Issue Dt:			11/17/2009			
Violation Occur Dt:			11/17/2009			
Cal Yr:			2009			
Cal Qtr:			4			
Fiscal Yr:			2010			
Fiscal Qtr:			1			
Violation Issue Time:			1255			
Sig Sub:			No			
Section Of Act:						
Part Section:			50.30(a)			
Section Of Act 1:			104(a)			
Section Of Act 2:						
Cit Ord Safe:			Citation			
Orig Term Due Dt:			11/17/2009			
Orig Term Due Time:			1330			
Latest Term Due Dt:			11/17/2009			
Latest Term Due Time:			1330			
Termination Dt:			11/17/2009			
Termination Time:			1305			
Termination Type:			Terminated			
Vacate Dt:						
Vacate Time:						
Initial Viol No:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Replaced By Order No:						
Likelihood:			NoLikelihood			
Inj Illness:			NoLostDays			
No Affected:			0			
Negligence:			HighNegligence			
Written Notice:						
Enforcement Area:						
Special Assess:			No			
Primary Or Mill:			Primary			
Right To Conf Dt:						
Asmt Generated Ind:			No			
Final Order Issue Dt:			02/21/2010			
Proposed Penalty:			100			
Amount Due:			100			
Amount Paid:			0			
Bill Print Dt:			01/14/2010			
Last Action Cd:			Treasury			
Last Action Dt:			07/29/2010			
Assess Case Status Cd:			Received			
Docket No:						
Docket Status Cd:						
Contested Ind:			No			
Contested Dt:						
Violator Violation Cnt:			1			
Violator Inspection Day Cnt:			2			
+						
Event No:			1147641			
Inspection Begin Dt:			08/26/2009			
Inspection End Dt:			08/27/2009			
Violation No:			6485328			
Controller ID:			0086259			
Controller Name:			Maurio Wilson			
Violator ID:			0102008			
Violator Name:			Maurio Wilson			
Violator Type Cd:			Operator			
Coal Metal Ind:			M			
Contractor ID:						
Violation Issue Dt:			08/27/2009			
Violation Occur Dt:			08/27/2009			
Cal Yr:			2009			
Cal Qtr:			3			
Fiscal Yr:			2009			
Fiscal Qtr:			4			
Violation Issue Time:			0750			
Sig Sub:			Yes			
Section Of Act:						
Part Section:			56.12028			
Section Of Act 1:			104(a)			
Section Of Act 2:						
Cit Ord Safe:			Citation			
Orig Term Due Dt:			08/27/2009			
Orig Term Due Time:			1200			
Latest Term Due Dt:			08/27/2009			
Latest Term Due Time:			1200			
Termination Dt:			09/08/2009			
Termination Time:			1443			
Termination Type:			Terminated			
Vacate Dt:						
Vacate Time:						
Initial Viol No:						
Replaced By Order No:						
Likelihood:			Reasonably			
Inj Illness:			Fatal			
No Affected:			1			
Negligence:			ModNegligence			
Written Notice:						
Enforcement Area:						
Special Assess:			No			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Primary Or Mill:		Primary				
Right To Conf Dt:						
Asmt Generated Ind:		No				
Final Order Issue Dt:		11/21/2009				
Proposed Penalty:		243				
Amount Due:		243				
Amount Paid:		0				
Bill Print Dt:		10/15/2009				
Last Action Cd:		Treasury				
Last Action Dt:		04/29/2010				
Assess Case Status Cd:		Received				
Docket No:						
Docket Status Cd:						
Contested Ind:		No				
Contested Dt:						
Violator Violation Cnt:		0				
Violator Inspection Day Cnt:		1				
+						
Event No:		1147641				
Inspection Begin Dt:		08/26/2009				
Inspection End Dt:		08/27/2009				
Violation No:		6485321				
Controller ID:		0086259				
Controller Name:		Maurio Wilson				
Violator ID:		0102008				
Violator Name:		Maurio Wilson				
Violator Type Cd:		Operator				
Coal Metal Ind:		M				
Contractor ID:						
Violation Issue Dt:		08/26/2009				
Violation Occur Dt:		08/26/2009				
Cal Yr:		2009				
Cal Qtr:		3				
Fiscal Yr:		2009				
Fiscal Qtr:		4				
Violation Issue Time:		0700				
Sig Sub:		Yes				
Section Of Act:						
Part Section:		56.18002(b)				
Section Of Act 1:		104(a)				
Section Of Act 2:						
Cit Ord Safe:		Citation				
Orig Term Due Dt:		08/26/2009				
Orig Term Due Time:		0800				
Latest Term Due Dt:		08/26/2009				
Latest Term Due Time:		0800				
Termination Dt:		08/26/2009				
Termination Time:		0730				
Termination Type:		Terminated				
Vacate Dt:						
Vacate Time:						
Initial Viol No:						
Replaced By Order No:						
Likelihood:		Reasonably				
Inj Illness:		Permanent				
No Affected:		1				
Negligence:		HighNegligence				
Written Notice:						
Enforcement Area:						
Special Assess:		No				
Primary Or Mill:		Primary				
Right To Conf Dt:						
Asmt Generated Ind:		No				
Final Order Issue Dt:		11/21/2009				
Proposed Penalty:		362				
Amount Due:		362				
Amount Paid:		0				
Bill Print Dt:		10/15/2009				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Last Action Cd:			Treasury			
Last Action Dt:			04/29/2010			
Assess Case Status Cd:			Received			
Docket No:						
Docket Status Cd:						
Contested Ind:			No			
Contested Dt:						
Violator Violation Cnt:			0			
Violator Inspection Day Cnt:			0			
+						
Event No:			1147641			
Inspection Begin Dt:			08/26/2009			
Inspection End Dt:			08/27/2009			
Violation No:			6485326			
Controller ID:			0086259			
Controller Name:			Maurio Wilson			
Violator ID:			0102008			
Violator Name:			Maurio Wilson			
Violator Type Cd:			Operator			
Coal Metal Ind:			M			
Contractor ID:						
Violation Issue Dt:			08/26/2009			
Violation Occur Dt:			08/26/2009			
Cal Yr:			2009			
Cal Qtr:			3			
Fiscal Yr:			2009			
Fiscal Qtr:			4			
Violation Issue Time:			0920			
Sig Sub:			No			
Section Of Act:						
Part Section:			56.20008(a)			
Section Of Act 1:			104(a)			
Section Of Act 2:						
Cit Ord Safe:			Citation			
Orig Term Due Dt:			09/27/2009			
Orig Term Due Time:			1200			
Latest Term Due Dt:			09/27/2009			
Latest Term Due Time:			1200			
Termination Dt:			08/27/2009			
Termination Time:			1010			
Termination Type:			Terminated			
Vacate Dt:						
Vacate Time:						
Initial Viol No:						
Replaced By Order No:						
Likelihood:			Unlikely			
Inj Illness:			LostDays			
No Affected:			1			
Negligence:			ModNegligence			
Written Notice:						
Enforcement Area:						
Special Assess:			No			
Primary Or Mill:			Primary			
Right To Conf Dt:						
Asmt Generated Ind:			No			
Final Order Issue Dt:			11/21/2009			
Proposed Penalty:			100			
Amount Due:			100			
Amount Paid:			0			
Bill Print Dt:			10/15/2009			
Last Action Cd:			Treasury			
Last Action Dt:			04/29/2010			
Assess Case Status Cd:			Received			
Docket No:						
Docket Status Cd:						
Contested Ind:			No			
Contested Dt:						
Violator Violation Cnt:			0			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Violator Inspection Day Cnt:		0				

22	1 of 1	WSW	0.01 / 77.15	1,475.35	Riverside County Fire Dept. Ramona Expressway at Bradley Perris CA	CHMIRS
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Control NO: 05-1568
Notified Date: 3/10/2005 08:48:21 AM
Year: 2005
Agency: Riverside County Fire Dept.
County: Riverside County

California Hazardous Material Incident Report System

Contained: Yes
Water Involved:
Water Way:
Drinking Water Impacted:
Known Impact:
Incident Date: 3/9/2005 12:00:00 AM
Incident Time:
Spill Site:
Injuries?:
Injuries Number: 0
Fatals?:
Fatals Number: 0
Evacs?:
Evacs Number: 0
Clean Up: Contractor
Admin Agency: Riverside County Environmental Health
Site: Road
Cause:
DOG Number:
1 Substance:
1 Quantity:
1 Measure:
1 Type:
1 Other:
1 Pipeline:
1 Vessel >= 300 Tons:
2 Substance:
2 Quantity::
2 Measure:
2 Type:
2 Other:
2 Pipeline:
2 Vessel >= 300 Tons:
3 Substance:
3 Quantity:
3 Measure:
3 Type:
3 Other:
3 Pipeline:
3 Vessel >= 300 Tons:
Barrels: 0
Cups: 0
Cubic Ft: 0
Gallons: 50
Grams: 0
Lbs: 0
Liters: 0
Ozs: 0
Pts: 0
Qts: 0
Sheen: 0
Tons: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Unknown: Cause Other: Notification Area: Description:		0				

23	1 of 1	WSW	0.03 / 171.47	1,471.39	LAKE PERRIS DAM 26900 RAMONA EXPY PERRIS CA 92571	RCRA LQG
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EPA Handler ID: CAR000251967
Current Site Name: LAKE PERRIS DAM
Generator Status Universe: Large Quantity Generator
Land Type: Private
Activity Location: CA
TSD Activity: No
Mixed Waste Generator: No
Importer Activity: No
Transporter Activity: No
Transfer Facility: No
Recycler Activity: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Inject Activity: No
Rece Waste From Off Site: No
Used Oil Transporter:
Used Oil Transfer Facility:
Used Oil Processor:
Used Oil Refiner:
Used Oil Burner:
Used Oil Market Burner:
Used Oil Spec Marketer:
Mailing Address: 26900 RAMONA EXPY, , PERRIS, CA, 92571, US
Contact Name: JOAN WEBER
Contact Address: 26900 RAMONA EXPY, , PERRIS, CA, 92571, US
Contact Email: JOAN.WEBER@WATER.CA.GOV
Location Street 2:

Owner/Operator Information

Owner/Operator Indicator: CP
Owner/Operator Name: STATE OF CALIFORNIA DWR
Owner/Operator Address: US
Owner/Operator Phone:
Owner/Operator Type: S
Date Became Current: 19600101
Date Ended Current:

Owner/Operator Indicator: CO
Owner/Operator Name: STATE OF CALIFORNIA DWR
Owner/Operator Address: PO BOX 942836 SACRAMENTO US 94236
Owner/Operator Phone: 916-653-5791
Owner/Operator Type: S
Date Became Current: 19600101
Date Ended Current:

NAICS Information

Naics Code: 221310
Naics Description: WATER SUPPLY AND IRRIGATION SYSTEMS

Handler Information

Date Received: 20150205
Facility Name: LAKE PERRIS DAM
Classification: Large Quantity Generator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Hazardous Waste Information						
Waste Code:			261			
Waste:			from br conversion			
Waste Code:			D008			
Waste:			LEAD			
Waste Code:			D023			
Waste:			O-CRESOL			
Waste Code:			D026			
Waste:			CRESOL			
Waste Code:			D025			
Waste:			P-CRESOL			
Waste Code:			D024			
Waste:			M-CRESOL			
Waste Code:			151			
Waste:			from br conversion			
Violation/Evaluation Information						
24	1 of 10	W	0.03 / 132.78	1,565.31	LAKE PERRIS 17801 LAKE PERRIS DRIVE PERRIS CA 92570	AST
Total Capacity(Gal):	8,500				Owner Name:	DEPARTMENT OF PARKS AND REC.
CUPA:	Riverside				County:	Riverside
24	2 of 10	W	0.03 / 132.78	1,565.31	LAKE PERRIA MARINA 17801 LAKE PERRIS DR PERRIS CA 92370	HHSS
County:						
Pdf File Url:					http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001fb20.pdf	
24	3 of 10	W	0.03 / 132.78	1,565.31	LAKE PERRIS MARINA 17801 LAKE PERRIS DR PERRIS CA 92370	HHSS
County:						
Pdf File Url:					http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001f49b.pdf	
24	4 of 10	W	0.03 / 132.78	1,565.31	LAKE PERRIS STATE RECREATION A 17801 LAKE PERRIS DRIVE PERRIS CA 92370	HHSS
County:						
Pdf File Url:					http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001f47f.pdf	
24	5 of 10	W	0.03 / 132.78	1,565.31	Lake Perris Marina 17801 Lake Perris Dr Perris CA 92570	RIVERSIDE HWG

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
24	6 of 10	W	0.03 / 132.78	1,565.31	Lake Perris State Rec 17801 Lake Perris Dr #B Perris CA 92570	RIVERSIDE HWG
24	7 of 10	W	0.03 / 132.78	1,565.31	Lake Perris Marina 17801 Lake Perris Dr Perris CA 92570	RIVERSIDE HZH
24	8 of 10	W	0.03 / 132.78	1,565.31	Lake Perris State Rec 17801 Lake Perris Dr #B Perris CA 92570	RIVERSIDE HZH
24	9 of 10	W	0.03 / 132.78	1,565.31	Lake Perris Marina 17801 Lake Perris Dr Perris CA	RIVERSIDE LOP
Site ID: Status Code: Status Desc: Case Type Code: Case Type Desc: Closed Code: Closed Desc: Employee:		911183 9 CLOSED/ACTION COMPLETED S SOIL ONLY IS IMPACTED Y CLOSED SITE Boltinghous-LOP				
24	10 of 10	W	0.03 / 132.78	1,565.31	Lake Perris Marina 17801 Lake Perris Dr Perris CA	RIVERSIDE LOP
Site ID: Status Code: Status Desc: Case Type Code: Case Type Desc: Closed Code: Closed Desc: Employee:		94716 0 F SURFACE WATER R Case referred to RWQCB or oversight Boltinghous-LOP				
25	1 of 2	SW	0.37 / 1,929.32	1,487.81	MCCANNA RANCH SCHOOL MAIN ST. / RIDER ST. PERRIS CA 92570	ENVIROSTOR
Estor/EPA ID: Site Code: Cleanup Status: Site Type: Potential Media Affected: Past Uses Caused Contam: APN: National Priorities List: Cleab up Oversight Agenci: Special Program: Funding: Acres:		60000048 404160 INACTIVE - WITHDRAWN AS OF 10/24/2000 SCHOOL SOIL UNKNOWN NONE SPECIFIED NO DTSC - SITE CLEANUP PROGRAM - LEAD SCHOOL DISTRICT 25 ACRES				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
School District:		VAL VERDE UNIFIED SCHOOL DISTRICT				
Assembly District:		61				
Senate District:		31				
Zip:		92570				
Potential Contaminants:						
NO CONTAMINANTS FOUND						
Site History:						
The 25-acre site has been used for agricultural purpose since at least 1948.						
Facility Information						
Program Type:		SCHOOL EVALUATION				
Status:		INACTIVE - WITHDRAWN				
Summary Link:		http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=60000048				
Completed Activities						
Doc Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=60000048&doc_id=6007325				
Area Name:						
Sub Area:						
Document Type:		Phase 1				
Date Completed:		10/24/2000				
Comments:						
Activity Type:		Completed Activities				

25	2 of 2	SW	0.37 / 1,929.32	1,487.81	MCCANNA RANCH SCHOOL MAIN ST. / RIDER ST. PERRIS CA 92570	SCH
ESTOR/EPA ID:		60000048				
Site Code:		404160				
Status:		INACTIVE - WITHDRAWN				
Cleanup Status:		INACTIVE - WITHDRAWN AS OF 10/24/2000				
Program Type:		SCHOOL EVALUATION				
Site Type:		SCHOOL				
National Priorities List:		NO				
CI Up Oversight Agencies:		DTSC - SITE CLEANUP PROGRAM - LEAD				
Special Program:						
County:		RIVERSIDE				
Funding:		SCHOOL DISTRICT				
APN:		NONE SPECIFIED				
Past Use Caused Contam:		UNKNOWN				
Potential Contam of Cncrn:		NO CONTAMINANTS FOUND				
Potential Media Affected:		SOIL				
Acres:		25 ACRES				
School District:		VAL VERDE UNIFIED SCHOOL DISTRICT				
Summary Link:		http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=60000048				
Assembly District:		61				
Senate District:		31				
Latitude:		33.83032				
Longitude:		-117.187				
SITE HISTORY:						
The 25-acre site has been used for agricultural purpose since at least 1948.						
Completed Activities						
Date Completed:		10/24/2000				
Doc Link:		http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=60000048&doc_id=6007325				
Area Name:						
Sub Area:						
Document Type:		Phase 1				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
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Comments:

26	1 of 1	WSW	0.44 / 2,310.25	1,465.43	PALOMA VALLEY SITE 31375 BRADLEY ROAD PERRIS CA 92571	SCH
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ESTOR/EPA ID: 33880004
Site Code: 404115
Status: NO ACTION REQUIRED
Cleanup Status: NO ACTION REQUIRED AS OF 6/23/2000
Program Type: SCHOOL EVALUATION
Site Type: SCHOOL
National Priorities List: NO
Cl Up Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD
Special Program:
County: RIVERSIDE
Funding: SCHOOL DISTRICT
APN: NONE SPECIFIED
Past Use Caused Contam: RESIDENTIAL AREA
Potential Contam of Cncrn: NO CONTAMINANTS FOUND
Potential Media Affected: NO MEDIA AFFECTED
Acres: 5 ACRES
School District: PERRIS UNION HIGH SCHOOL DISTRICT
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=33880004
Assembly District: 61
Senate District: 31
Latitude: 33.83294
Longitude: -117.19129

SITE HISTORY:

Phase I completed with an NA determination.

Completed Activities

Date Completed: 6/22/2000
Doc Link:
Area Name:
Sub Area:
Document Type: Site Inspections/Visit (Non LUR)
Comments:

Date Completed: 6/23/2000
Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33880004&doc_id=6004295
Area Name:
Sub Area:
Document Type: Phase 1
Comments:

27	1 of 1	W	0.96 / 5,092.16	1,498.64	MARCH AFB - POORMAN GUNNERY RANGE MORENO VALLEY CA	FUDS
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FUDS No:	J09CA7400	State Code:	06
EPA Region:	09	County Code:	065
CONG DIST:	41	County:	RIVERSIDE
NPL Status:		Latitude:	33.873798
FY:	2013	Longitude:	-117.209
CTC:	59.8	Lat Degree:	33
RAB:		Lat Minutes:	52
FF ID:	CA9799FA427	Lat Seconds:	26
Current Owner:		Lat Direction:	N
Phone:	213-452-3920	Long Degree:	-11
Corps Dist:	Los Angeles District (SPL)	Long Minutes:	13

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Acreage:	160				Long Seconds:	32
INST ID:	63136				Long Direction:	E
Current Prgm:						
Fut Prgm:						
Desc:	he U.S. Army Air Corps acquired 162.84 acres by lease from a private party on 8 May 1944. A total of 3.04 acres were acquired by license from three private individuals between October 1944 and January 1945. Total acquisition was 165.88 acre Note: many records provided by the U.S. Army Corps of Engineers have a truncated Description field.					
History:	Based on documentation, the range was used as a range and included a platform for the following types of practice: A-GC gun mount, Sperry ball turret, Emerson nose turret, machine gun, and Martin upper with steel sighting support. he lease Note: many records provided by the U.S. Army Corps of Engineers have a truncated History field.					

28	1 of 2	WSW	0.65 / 3,450.96	1,457.50	PROPOSED MORGAN STREET ELEMENTARY SCHOOL NW CORNER OF EVANS ROAD & MORGAN STREET PERRIS CA 92571	ENVIROSTOR
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Estor/EPA ID: 60000175
Site Code: 404682
Cleanup Status: NO FURTHER ACTION AS OF 6/26/2006
Site Type: SCHOOL
Potential Media Affected: NO MEDIA AFFECTED
Past Uses Caused Contam: AGRICULTURAL - ROW CROPS
APN: NONE SPECIFIED
National Priorities List: NO
Cleab up Oversight Agenci: DTSC - SITE CLEANUP PROGRAM - LEAD
Special Program:
Funding: SCHOOL DISTRICT
Acres: 13 ACRES
School District: VAL VERDE UNIFIED SCHOOL DISTRICT
Assembly District: 61
Senate District: 31
Zip: 92571

Potential Contaminants:

NO CONTAMINANTS FOUND

Site History:

This site is comprised of a 13 acre parcel that was historically used for agriculture and is currently undeveloped. Site has been rough graded and used as a borrow site for nearby development. Potential for residual pesticides remaining in the site soils.

Facility Information

Program Type: SCHOOL EVALUATION
Status: NO FURTHER ACTION
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=60000175

Completed Activities

Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=60000175&doc_id=6011151
Area Name:
Sub Area:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 6/26/2006
Comments: PEA Approval letter sent 06/26/06.
Activity Type: Completed Activities

Doc Link:
Area Name:
Sub Area:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 4/4/2006
Comments: DTSC issued an approval letter for the Tech Memo. District informed DTSC that contractor will start

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
					moving imported fill material into the site. DTSC was on the fast track to make sure the soil in place is free of contaminants. Completed Activities	
					Activity Type:	
					Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=60000175&enforcement_id=6009007	
					Area Name:	
					Sub Area:	
					Document Type: Environmental Oversight Agreement	
					Date Completed: 3/22/2006	
					Comments:	
					Activity Type: Completed Activities	
					Doc Link:	
					Area Name:	
					Sub Area:	
					Document Type: Phase 1	
					Date Completed: 2/24/2006	
					Comments: Reviewed Phase I and it was determined that PEA is required.	
					Activity Type: Completed Activities	

28	2 of 2	WSW	0.65 / 3,450.96	1,457.50	PROPOSED MORGAN STREET ELEMENTARY SCHOOL NW CORNER OF EVANS ROAD & MORGAN STREET PERRIS CA 92571	SCH
		ESTOR/EPA ID:	60000175			
		Site Code:	404682			
		Status:	NO FURTHER ACTION			
		Cleanup Status:	NO FURTHER ACTION AS OF 6/26/2006			
		Program Type:	SCHOOL EVALUATION			
		Site Type:	SCHOOL			
		National Priorities List:	NO			
		CI Up Oversight Agencies:	DTSC - SITE CLEANUP PROGRAM - LEAD			
		Special Program:				
		County:	RIVERSIDE			
		Funding:	SCHOOL DISTRICT			
		APN:	NONE SPECIFIED			
		Past Use Caused Contam:	AGRICULTURAL - ROW CROPS			
		Potential Contam of Cncrn:	NO CONTAMINANTS FOUND			
		Potential Media Affected:	NO MEDIA AFFECTED			
		Acres:	13 ACRES			
		School District:	VAL VERDE UNIFIED SCHOOL DISTRICT			
		Summary Link:	http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=60000175			
		Assembly District:	61			
		Senate District:	31			
		Latitude:	33.8381			
		Longitude:	-117.2051			

SITE HISTORY:

This site is comprised of a 13 acre parcel that was historically used for agriculture and is currently undeveloped. Site has been rough graded and used as a borrow site for nearby development. Potential for residual pesticides remaining in the site soils.

Completed Activities

Date Completed:	3/22/2006
Doc Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=60000175&enforcement_id=6009007
Area Name:	
Sub Area:	
Document Type:	Environmental Oversight Agreement
Comments:	
Date Completed:	6/26/2006
Doc Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=60000175&doc_id=6011151

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Area Name:						
Sub Area:						
Document Type:					Preliminary Endangerment Assessment Report	
Comments:					PEA Approval letter sent 06/26/06.	
Date Completed:			2/24/2006			
Doc Link:						
Area Name:						
Sub Area:					Phase 1	
Document Type:					Reviewed Phase I and it was determined that PEA is required.	
Comments:						
Date Completed:			4/4/2006			
Doc Link:						
Area Name:						
Sub Area:						
Document Type:					Preliminary Endangerment Assessment Report	
Comments:					DTSC issued an approval letter for the Tech Memo. District informed DTSC that contractor will start moving imported fill material into the site. DTSC was on the fast track to make sure the soil in place is free of contaminants.	

Unplottable Summary

Total: 34 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CHMIRS	Riverside Co FD	HWY 60 at the Gilman Springs off ramp	Moreno Valley CA		821786479
CHMIRS	riverside fire cdf	n/b I -215 at central ave	riverside city CA		821804826
CHMIRS	St Parks	Launch Ramp #14, Lake Perris St Park	Perris CA		821864647
CHMIRS	City of Riverside FD	1800 block Main at Stansell	Riverside CA		821858127
CHMIRS	state dept of water resources	lake perris	riverside CA		821827106
CHMIRS	spill center	i-60 east main street offramp	riverside CA		821787239
CHMIRS	priv citizen	main st across the santa ana river bottom running downstream. no longer at this location.	riverside CA		821817728
DELISTED COUNTY	SCE - Nuevo Substation	C/O Lakeview & Ramona Exp	Lakeview CA	92567	820088992
DELISTED COUNTY	O & M Dairy	35500 Ramona Express Wy	Lakeview CA	92567	820088719
ENVIROSTOR	PALOMA VALLEY SITE	31375 BRADLEY ROAD	PERRIS CA	92571	820295361
ENVIROSTOR	PERRIS UNION HIGH SCH/PALOMA VALLEY SITE	31375 BRADLEY ROAD	PERRIS CA	92571	820300087
ERNS		JACK RABBIT TRAIL	MORENO VALLEY CA		807199010

ERNS		PERRIS VALLEY STORM DRAIN CHANNEL	PERRIS CA		806597651
FINDS/FRS	PASTIME LAKES DAIRY	34450 RAMONA EXPWY.	LAKEVIEW CA	92567	816458547
FINDS/FRS	O & M DAIRY	35500 RAMONA EXPRESS WY	LAKEVIEW CA	92567	840160452
FINDS/FRS	401 CERT-LAKE PERRIS	LAKE PERRIS	PERRIS CA	92571	840143959
FINDS/FRS	VERIZON WIRELESS: ANTELOPE	27931 RAMONA EXPRESSWAY	PERRIS CA	92571	840020550
FINDS/FRS	AQUATIC PESTICIDES - WEEDS	LAKE PERRIS	PERRIS CA	92571	840094977
FINDS/FRS	MARVO HOLSTEINS DAIRY	18400 MAIN	LAKEVIEW CA	92567	840155869
FINDS/FRS	MWD PERRIS PUMPBACK FACILITY	27500 RAMONA EXPRESSWAY	PERRIS CA	92571	840203064
FINDS/FRS	POWER COVE BOAT LAUNCH RAMP FACILITY	LAKE PERRIS	PERRIS CA	92571	840059328
FINDS/FRS	T-MOBILE WEST CORPORATION IE04721C	27931 RAMONA EXPRESSWAY	PERRIS CA	92571	821413096
HAZNET	PERRIS VALLEY PRINTING CO	85 E RAMONA EXPRSWY STE 5	PERRIS CA	925717014	826311868
HAZNET	PASTIME LAKES DAIRY	34450 RAMONA EXPWY	LAKEVIEW CA	92567	826232354
HIST CHMIRS		BRIDGE ST 1/2 MI S OF GILLMAN SP. RD	LAKEVIEW CA		826014567
HIST CHMIRS		2700 BLIC CENTRAL	RIVERSIDE CA		826020847

HIST CHMIRS		1000 BLK CENTRAL	RIVERSIDE CA		826024122
HIST MANIFEST		375 E RAMONA EXPRESS WAY	PERRIS CA	925710000	827444310
RCRA LQG	SOUTHERN CALIFORNIA GAS CO	VIRGINIA ST AND GATO DEL SOL AVE	MORENO VALLEY CA	92555	810634458
RIVERSIDE HWG	MWD/Perris Power Plant	27500 Ramona Expwy	Perris CA	92571	820093193
RIVERSIDE HZH	Verizon Wireless (Antelope)	27931 Ramona Expressway	Perris CA	92571	820089411
RIVERSIDE HZH	MWD/Perris Power Plant	27500 Ramona Expwy	Perris CA	92571	820088497
RIVERSIDE HZH	T-Mobile West Corp. (IE04721C)	27931 Ramona Expressway	Perris CA	92571	820089394
RIVERSIDE UST	MWD/Perris Power Plant	27500 Ramona Expwy	Perris CA	92571	820141859

Unplottable Report

Site: *Riverside Co FD
HWY 60 at the Gilman Springs off ramp Moreno Valley CA*

CHMIRS

Control NO: 98-4802
Notified Date: 10/23/199809:27:07 AM
Year: 1998
Agency: Riverside Co FD
County: Riverside County

**California Hazardous Material
Incident Report System**

--
Contained: Unknown
Water Involved: No
Water Way:
Drinking Water Impacted:
Known Impact:
Incident Date: 10/23/199812:00:00 AM
Incident Time:
Spill Site:
Injuries?:
Injuries Number: 0
Fatals?:
Fatals Number: 0
Evacs?:
Evacs Number: 0
Clean Up: DDTSC
Admin Agency: Riverside County Environmental Health
Site: Road
Cause:
DOG Number:
1 Substance:
1 Quantity:
1 Measure:
1 Type:
1 Other:
1 Pipeline:
1 Vessel >= 300 Tons:
2 Substance:
2 Quantity::
2 Measure:
2 Type:
2 Other:
2 Pipeline:
2 Vessel >= 300 Tons:
3 Substance:
3 Quantity:
3 Measure:
3 Type:
3 Other:
3 Pipeline:
3 Vessel >= 300 Tons:
Barrels: 0
Cups: 0
Cubic Ft: 0
Gallons: 13
Grams: 0
Lbs: 0
Liters: 0
Ozs: 0
Pts: 0

Qts: 0
Sheen: 0
Tons: 0
Unknown: 0
Cause Other:
Notification Area:
Description:
--

Site: riverside fire cdf
n/b I -215 at central ave riverside city CA

CHMIRS

Control NO: 008470
Notified Date: 5/30/1995
Year: 1995
Agency: riverside fire cdf
County: RIVERSIDE

**California Hazardous Material
Incident Report System**

-- --

Contained:
Water Involved: NO
Water Way:
Drinking Water Impacted:
Known Impact:
Incident Date: 1130/30may95
Incident Time:
Spill Site:
Injuries?:
Injuries Number: YES
Fatals?:
Fatals Number: NO
Evacs?:
Evacs Number: NO
Clean Up: unknown
Admin Agency:
Site: RD
Cause:
DOG Number:
1 Substance:
1 Quantity: 250 gals potential of 2,000 gals
1 Measure:
1 Type: PETROLEUM
1 Other:
1 Pipeline:
1 Vessel >= 300 Tons:
2 Substance:
2 Quantity:::
2 Measure:
2 Type:
2 Other:
2 Pipeline:
2 Vessel >= 300 Tons:
3 Substance:
3 Quantity:
3 Measure:
3 Type:
3 Other:
3 Pipeline:
3 Vessel >= 300 Tons:
Barrels:
Cups:
Cubic Ft:
Gallons:
Grams:
Lbs:
Liters:
Ozs:
Pts:

Qts:
Sheen:
Tons:
Unknown:
Cause Other:
Notification Area:
Description:
--

Site: St Parks
Launch Ramp #14, Lake Perris St Park Perris CA

CHMIRS

Control NO: 98-2430
Notified Date: 5/24/1998 10:27:51 PM
Year: 1998
Agency: St Parks
County: Riverside County

**California Hazardous Material
Incident Report System**

-- --
Contained: Yes
Water Involved: Yes
Water Way: Lake Perris
Drinking Water Impacted:
Known Impact:
Incident Date: 5/24/1998 12:00:00 AM
Incident Time:
Spill Site:
Injuries?:
Injuries Number: 0
Fatals?:
Fatals Number: 0
Evacs?:
Evacs Number: 0
Clean Up: Unknown
Admin Agency: Riverside County Environmental Health
Site: Waterways
Cause:
DOG Number:
1 Substance:
1 Quantity:
1 Measure:
1 Type:
1 Other:
1 Pipeline:
1 Vessel >= 300 Tons:
2 Substance:
2 Quantity:::
2 Measure:
2 Type:
2 Other:
2 Pipeline:
2 Vessel >= 300 Tons:
3 Substance:
3 Quantity:
3 Measure:
3 Type:
3 Other:
3 Pipeline:
3 Vessel >= 300 Tons:
Barrels: 0
Cups: 0
Cubic Ft: 0
Gallons: 300
Grams: 0
Lbs: 0
Liters: 0
Ozs: 0
Pts: 0

Qts: 0
Sheen: 0
Tons: 0
Unknown: 0
Cause Other:
Notification Area:
Description:
--

Site: City of Riverside FD
1800 block Main at Stansell Riverside CA

CHMIRS

Control NO: '08-8462
Notified Date: 11/26/2008 5:27
Year: 2008
Agency: City of Riverside FD
County: Riverside County

**California Hazardous Material
Incident Report System**

-- --
Contained: Unknown
Water Involved: No
Water Way:
Drinking Water Impacted:
Known Impact:
Incident Date: 11/26/2008
Incident Time: 502
Spill Site: Road
Injuries?:
Injuries Number: 0
Fatals?:
Fatals Number: 0
Evacs?:
Evacs Number: 0
Clean Up: Unknown
Admin Agency:
Site:
Cause:
DOG Number:
1 Substance:
1 Quantity: 3500
1 Measure: Gal(s)
1 Type: PETROLEUM
1 Other:
1 Pipeline:
1 Vessel >= 300 Tons:
2 Substance:
2 Quantity:::
2 Measure:
2 Type:
2 Other:
2 Pipeline:
2 Vessel >= 300 Tons:
3 Substance:
3 Quantity:
3 Measure:
3 Type:
3 Other:
3 Pipeline:
3 Vessel >= 300 Tons:
Barrels:
Cups:
Cubic Ft:
Gallons:
Grams:
Lbs:
Liters:
Ozs:
Pts:

Qts:
Sheen:
Tons:
Unknown:
Cause Other:
Notification Area: AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS
Description:
--

Site: state dept of water resources
lake perris riverside CA

CHMIRS

Control NO: 3929
Notified Date: 8/31/1994
Year: 1994
Agency: state dept of water resources
County: riverside

**California Hazardous Material
Incident Report System**

--
Contained: YES
Water Involved:
Water Way: lake perris
Drinking Water Impacted:
Known Impact:
Incident Date: 8-13-94 unknown
Incident Time:
Spill Site:
Injuries?:
Injuries Number: NO
Fatals?:
Fatals Number: NO
Evacs?:
Evacs Number: NO
Clean Up: unknown, unknown.
Admin Agency:
Site: OTHER
Cause:
DOG Number:
1 Substance:
1 Quantity: less 1 gal
1 Measure:
1 Type: PETROLEUM
1 Other:
1 Pipeline:
1 Vessel >= 300 Tons:
2 Substance:
2 Quantity:::
2 Measure:
2 Type:
2 Other:
2 Pipeline:
2 Vessel >= 300 Tons:
3 Substance:
3 Quantity:
3 Measure:
3 Type:
3 Other:
3 Pipeline:
3 Vessel >= 300 Tons:
Barrels:
Cups:
Cubic Ft:
Gallons:
Grams:
Lbs:
Liters:
Ozs:
Pts:

Qts:
Sheen:
Tons:
Unknown:
Cause Other:
Notification Area:
Description:
--

Site: spill center
i-60 east main street offramp riverside CA

CHMIRS

Control NO: 013941
Notified Date: 5/28/1996
Year: 1996
Agency: spill center
County: RIVERSIDE

**California Hazardous Material
Incident Report System**

-- --
Contained: YES
Water Involved: NO
Water Way: storm drain
Drinking Water Impacted:
Known Impact:
Incident Date: 1730/28 May 96
Incident Time:
Spill Site:
Injuries?:
Injuries Number: UNKNOWN
Fatals?:
Fatals Number: UNKNOWN
Evacs?:
Evacs Number: UNKNOWN
Clean Up: not known
Admin Agency:
Site: RD
Cause:
DOG Number:
1 Substance:
1 Quantity: 100 gals.
1 Measure:
1 Type: PETROLEUM
1 Other:
1 Pipeline:
1 Vessel >= 300 Tons:
2 Substance:
2 Quantity:::
2 Measure:
2 Type:
2 Other:
2 Pipeline:
2 Vessel >= 300 Tons:
3 Substance:
3 Quantity:
3 Measure:
3 Type:
3 Other:
3 Pipeline:
3 Vessel >= 300 Tons:
Barrels:
Cups:
Cubic Ft:
Gallons:
Grams:
Lbs:
Liters:
Ozs:
Pts:

Qts:
Sheen:
Tons:
Unknown:
Cause Other:
Notification Area:
Description:
--

Site: priv citizen
main st across the santa ana river bottom running downstream. no longer at this location. riverside CA

CHMIRS

Control NO: 013747
Notified Date: 5/15/1996
Year: 1996
Agency: priv citizen
County: SAN BERNARDINO

**California Hazardous Material
Incident Report System**

-- --
Contained: YES
Water Involved: NO
Water Way: santa ana river
Drinking Water Impacted:
Known Impact:
Incident Date: 1700 15May96
Incident Time:
Spill Site:
Injuries?:
Injuries Number: NO
Fatals?:
Fatals Number: NO
Evacs?:
Evacs Number: NO
Clean Up: free flowing downstream
Admin Agency:
Site: OTHER
Cause:
DOG Number:
1 Substance:
1 Quantity: 300 400 gals
1 Measure:
1 Type: OTHER
1 Other:
1 Pipeline:
1 Vessel >= 300 Tons:
2 Substance:
2 Quantity:::
2 Measure:
2 Type:
2 Other:
2 Pipeline:
2 Vessel >= 300 Tons:
3 Substance:
3 Quantity:
3 Measure:
3 Type:
3 Other:
3 Pipeline:
3 Vessel >= 300 Tons:
Barrels:
Cups:
Cubic Ft:
Gallons:
Grams:
Lbs:
Liters:
Ozs:
Pts:

Qts:
Sheen:
Tons:
Unknown:
Cause Other:
Notification Area:
Description:
--

Site: **SCE - Nuevo Substation**
C/O Lakeview & Ramona Exp Lakeview CA 92567

DELISTED COUNTY

Record Date: 17-FEB-2016
Original Source Name: Riverside County Disclosure Facility List
Original Source Facility ID:

Site: **O & M Dairy**
35500 Ramona Express Wy Lakeview CA 92567

DELISTED COUNTY

Record Date: 08-Jul-2014
Original Source Name: Riverside County Disclosure Facility List
Original Source Facility ID:

Site: **PALOMA VALLEY SITE**
31375 BRADLEY ROAD PERRIS CA 92571

ENVIROSTOR

Estor/EPA ID: 33880004
Site Code: 404115
Cleanup Status: NO ACTION REQUIRED AS OF 6/23/2000
Site Type: SCHOOL
Potential Media Affected: NO MEDIA AFFECTED
Past Uses Caused Contam: RESIDENTIAL AREA
APN: NONE SPECIFIED
National Priorities List: NO
Cleab up Oversight Agenci: DTSC - SITE CLEANUP PROGRAM - LEAD
Special Program:
Funding: SCHOOL DISTRICT
Acres: 5 ACRES
School District: PERRIS UNION HIGH SCHOOL DISTRICT
Assembly District: 61
Senate District: 31
Zip: 92571

Potential Contaminants:

NO CONTAMINANTS FOUND

Site History:

Phase I completed with an NA determination.

Facility Information

--
Program Type: SCHOOL EVALUATION
Status: NO ACTION REQUIRED
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=33880004
--

Completed Activities

--
Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33880004&doc_id=6004295
Area Name:
Sub Area:
Document Type: Phase 1
Date Completed: 6/23/2000
Comments:

Activity Type: Completed Activities
-- --
Doc Link:
Area Name:
Sub Area:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 6/22/2000
Comments:
Activity Type: Completed Activities
-- --

Site: **PERRIS UNION HIGH SCH/PALOMA VALLEY SITE**
31375 BRADLEY ROAD PERRIS CA 92571

ENVIROSTOR

Estor/EPA ID: 33880002
Site Code: 404107
Cleanup Status: NO ACTION REQUIRED AS OF 6/23/2000
Site Type: SCHOOL
Potential Media Affected: NO MEDIA AFFECTED
Past Uses Caused Contam: NONE
APN: NONE SPECIFIED
National Priorities List: NO
Cleab up Oversight Agenci: NONE SPECIFIED
Special Program:
Funding: SCHOOL DISTRICT
Acres: 56.53 ACRES
School District: PERRIS UNION HIGH SCHOOL DISTRICT
Assembly District: 67
Senate District: 23
Zip: 92571

Potential Contaminants:

NO CONTAMINANTS FOUND

Site History:

The school consists of 56.53 acres of land occupied by the Paloma Valley High School built in 1994. The school was undeveloped dry grain land in the past and is currently located in an area of rural residential and agricultural land uses.

Phase I completed with an NA determination for the 2000 school expansion.
Also see site code 404657 for the 2005 expansion.

Facility Information

-- --
Program Type: SCHOOL EVALUATION
Status: NO ACTION REQUIRED
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=33880002
-- --

Completed Activities

-- --
Doc Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33880002&doc_id=5006935
Area Name:
Sub Area:
Document Type: Phase 1
Date Completed: 6/23/2000
Comments:
Activity Type: Completed Activities
-- --

Site: **JACK RABBIT TRAIL MORENO VALLEY CA**

ERNS

NRC Report Number: 223507
Type Of Incident: PIPELINE
Desc Remedial Action: SECURING LINE/ REPAIRS WILL BE MADE ON MONDAY
Description Of Incident: 30 INCH PIPELINE PUNTURED BY BULLET
Release Secured: U
Release Rate:

Date Received: 2/26/1994 12:24:14 AM
Incident Cause: OTHER
Incident Date: 2/26/1994 6:45:00 PM
Incident Location:
State Agency Notified:
Federal Agency Notified:
State Agency On Scene:
State Agency Report Num:
Responsible Company: SOUTHERN CALIFORNIA GAS C
Estima Duration of Release:
Responsible Org Type: PUBLIC UTILITY
Responsible City: LOS ANGELES
Responsible State: CA
Responsible Zip: 900130111
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Who Evacuated:
Radius Of Evacuation:
Any Injuries: U
Number Injured:
Any Fatalities: U
Number Fatalities:
Any Damages: Y
Damage Amount: 50000
Employee Fatality:
Passenger Fatality:
Occupant Fatality:
Air Corridor Closed: N
Air Corridor Desc:
Air Closure Time:
Waterway Corridor Closed: N
Waterway Corridor Desc:
Waterway Closure Time:
Road Closed: N
Road Desc:
Road Closure Time:
Major Artery: N
Track Closed: N
Track Desc:
Track Closure Time:
Media Interest:
Medium Desc: AIR
Additional Medium Info: ATMOSPHERE
Body Of Water:
Tributary Of:
Weather Conditions:
Air Temperature:
Wind Speed:
Wind Direction:
Water Supply Contamin: U
Nearest River Mile Marker:
Passengers Transferred: UNK
Community Impact: N
Additional Info: PIPELINE PRESSURE 550-575 PSIWILL NOTIFY CALIFORNIA PUBLIC UTILITY COMM

Material Spill Information

--
CHRIS Code: ONG
CAS Number:
UN Number:
Amount Of Material: 0
Unit Of Material: UNKNOWN AMOUNT
Name Of Material: NATURAL GAS
If Reached Water: YES
Amount In Water: 0
Unit Of Measure Reach Water: NONE
--

Site:

NRC Report Number: 808906
Type Of Incident: FIXED
Desc Remedial Action: CALLER STATED A CONTRACTOR(ECI) HAS BEEN HIRED AND THEY WILL DUG UP THE SOIL AND THE HAUL OFF THE OIL THAT RECOVER.
Description Of Incident: CALLER STATED THERE WAS A SPILL OF MATERIALS IN THE PERRIS VALLEY STORM DRAIN CHANNEL DUE TO THE DUMPING OF THE MATERIALS.
Release Secured: Y
Release Rate:
Date Received: 8/23/2006 7:43:11 PM
Incident Cause: DUMPING
Incident Date: 8/23/2006 2:00:00 PM
Incident Location:
State Agency Notified: OES
Federal Agency Notified: NONE
State Agency On Scene: NONE
State Agency Report Num: 06-5047
Responsible Company:
Estima Duration of Release:
Responsible Org Type: UNKNOWN
Responsible City:
Responsible State: XX
Responsible Zip:
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Who Evacuated:
Radius Of Evacuation:
Any Injuries: N
Number Injured:
Any Fatalities: N
Number Fatalities:
Any Damages: N
Damage Amount:
Employee Fatality:
Passenger Fatality:
Occupant Fatality:
Air Corridor Closed: N
Air Corridor Desc:
Air Closure Time:
Waterway Corridor Closed: N
Waterway Corridor Desc:
Waterway Closure Time:
Road Closed: N
Road Desc:
Road Closure Time:
Major Artery: N
Track Closed: N
Track Desc:
Track Closure Time:
Media Interest: NONE
Medium Desc: WATER
Additional Medium Info: PERRIS VALLEY STORM DRAIN CHANNEL
Body Of Water: PERRIS VALLEY STORM DRAIN CHANNEL
Tributary Of:
Weather Conditions: SUNNY
Air Temperature: 100
Wind Speed:
Wind Direction:
Water Supply Contamin: U
Nearest River Mile Marker:
Passengers Transferred: NO
Community Impact: N
Additional Info: NO ADDITIONAL INFORMATION.

Material Spill Information

-- --
CHRIS Code: OMT
CAS Number: 000000-00-0
UN Number:

Amount Of Material: 14
Unit Of Material: GALLON(S)
Name Of Material: OIL, MISC: MOTOR
If Reached Water: YES
Amount In Water: 14
Unit Of Measure Reach Water: GALLON(S)
-- --

Site: PASTIME LAKES DAIRY
34450 RAMONA EXPWY. LAKEVIEW CA 92567

FINDS/FRS

Registry ID: 110028155635
FIPS Code:
Program Acronyms: CA-ENVIROVIEW, EIS, ICIS
HUC Code: 18070202
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor: EIS
County Name: RIVERSIDE
Source:
SIC Codes: 0241
SIC Code Descriptions: DAIRY FARMS
Federal Facility Code:
NAICS Codes: 112120
NAICS Code Descriptions: DAIRY CATTLE AND MILK PRODUCTION.
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No: 45
Census Block Code: 060650427441008
Create Date: 16-FEB-2007 21:39:08
Update Date: 10-OCT-2015 08:30:51
Location Description:
Supplemental Location: 34450 RAMONA EXPWY.
Tribal Land Code:
Tribal Land Name:
Latitude: 33.83824
Longitude: -117.12115
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Reference Point: FACILITY CENTROID
Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN, FORMAL ENFORCEMENT ACTION, STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110028155635

Site: O & M DAIRY
35500 RAMONA EXPRESS WY LAKEVIEW CA 92567

FINDS/FRS

Registry ID: 110066251399
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code:
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor:
County Name: RIVERSIDE
Source:
SIC Codes:
SIC Code Descriptions:
Federal Facility Code:
NAICS Codes:
NAICS Code Descriptions:
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No:
Census Block Code:
Create Date: 14-OCT-2015 10:38:29
Update Date:
Location Description:

Supplemental Location: 35500 RAMONA EXPRESS WY
Tribal Land Code:
Tribal Land Name:
Latitude:
Longitude:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Reference Point:
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066251399

Site: 401 CERT-LAKE PERRIS
LAKE PERRIS PERRIS CA 92571

[FINDS/FRS](#)

Registry ID: 110065528593
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code: 18070202
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor: FRS-GEOCODE
County Name: RIVERSIDE COUNTY
Source:
SIC Codes: 1629
SIC Code Descriptions: HEAVY CONSTRUCTION, NOT ELSEWHERE CLASSIFIED
Federal Facility Code:
NAICS Codes:
NAICS Code Descriptions:
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No: 49
Census Block Code: 060650426231020
Create Date: 13-OCT-2015 11:04:50
Update Date:
Location Description:
Supplemental Location: LAKE PERRIS
Tribal Land Code:
Tribal Land Name:
Latitude: 33.85195
Longitude: -117.20377
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065528593

Site: VERIZON WIRELESS: ANTELOPE
27931 RAMONA EXPRESSWAY PERRIS CA 92571

[FINDS/FRS](#)

Registry ID: 110064935361
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code:
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor:
County Name: RIVERSIDE COUNTY
Source:
SIC Codes: 4812
SIC Code Descriptions: RADIOTELEPHONE COMMUNICATIONS
Federal Facility Code:
NAICS Codes: 517210
NAICS Code Descriptions: WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE)
Federal Agency Name:

US/Mexico Border Ind:
Congressional Dist No:
Census Block Code:
Create Date: 10-OCT-2015 07:39:02
Update Date:
Location Description:
Supplemental Location: 27931 RAMONA EXPRESSWAY
Tribal Land Code:
Tribal Land Name:
Latitude:
Longitude:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Reference Point:
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail_disp_program_facility?p_registry_id=110064935361

Site: **AQUATIC PESTICIDES - WEEDS**
LAKE PERRIS PERRIS CA 92571

[FINDS/FRS](#)

Registry ID: 110066540345
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code: 18070202
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor: FRS-GEOCODE
County Name: RIVERSIDE COUNTY
Source:
SIC Codes:
SIC Code Descriptions:
Federal Facility Code:
NAICS Codes:
NAICS Code Descriptions:
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No: 49
Census Block Code: 060650426231020
Create Date: 14-OCT-2015 11:57:07
Update Date:
Location Description:
Supplemental Location: LAKE PERRIS
Tribal Land Code:
Tribal Land Name:
Latitude: 33.85195
Longitude: -117.20377
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail_disp_program_facility?p_registry_id=110066540345

Site: **MARVO HOLSTEINS DAIRY**
18400 MAIN LAKEVIEW CA 92567

[FINDS/FRS](#)

Registry ID: 110065832914
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code:
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor:
County Name: RIVERSIDE
Source:

SIC Codes: 0241
SIC Code Descriptions: DAIRY FARMS
Federal Facility Code:
NAICS Codes:
NAICS Code Descriptions:
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No:
Census Block Code:
Create Date: 13-OCT-2015 15:23:02
Update Date:
Location Description:
Supplemental Location: 18400 MAIN
Tribal Land Code:
Tribal Land Name:
Latitude:
Longitude:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Reference Point:
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065832914

Site: **MWD PERRIS PUMPBACK FACILITY**
27500 RAMONA EXPRESSWAY PERRIS CA 92571

[FINDS/FRS](#)

Registry ID: 110065243481
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code:
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor:
County Name: RIVERSIDE COUNTY
Source:
SIC Codes:
SIC Code Descriptions:
Federal Facility Code:
NAICS Codes:
NAICS Code Descriptions:
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No:
Census Block Code:
Create Date: 10-OCT-2015 10:12:21
Update Date:
Location Description:
Supplemental Location: 27500 RAMONA EXPRESSWAY
Tribal Land Code:
Tribal Land Name:
Latitude:
Longitude:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Reference Point:
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065243481

Site: **POWER COVE BOAT LAUNCH RAMP FACILITY**
LAKE PERRIS PERRIS CA 92571

[FINDS/FRS](#)

Registry ID: 110065243221
FIPS Code:
Program Acronyms: CA-ENVIROVIEW

HUC Code: 18070202
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor: FRS-GEOCODE
County Name: RIVERSIDE COUNTY
Source:
SIC Codes:
SIC Code Descriptions:
Federal Facility Code:
NAICS Codes:
NAICS Code Descriptions:
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No: 49
Census Block Code: 060650426231020
Create Date: 10-OCT-2015 10:12:14
Update Date:
Location Description:
Supplemental Location: LAKE PERRIS
Tribal Land Code:
Tribal Land Name:
Latitude: 33.85195
Longitude: -117.20377
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065243221

Site: **T-MOBILE WEST CORPORATION IE04721C**
27931 RAMONA EXPRESSWAY PERRIS CA 92571

[FINDS/FRS](#)

Registry ID: 110059741249
FIPS Code: 33
Program Acronyms: CA-CERS, CA-ENVIROVIEW
HUC Code:
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor:
County Name: RIVERSIDE
Source:
SIC Codes: 4812
SIC Code Descriptions: RADIOTELEPHONE COMMUNICATIONS
Federal Facility Code:
NAICS Codes: 517212
NAICS Code Descriptions: CELLULAR AND OTHER WIRELESS TELECOMMUNICATIONS.
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No:
Census Block Code:
Create Date: 27-JUN-2014 12:44:24
Update Date: 10-OCT-2015 09:52:44
Location Description:
Supplemental Location: 27931 RAMONA EXPRESSWAY
Tribal Land Code:
Tribal Land Name:
Latitude:
Longitude:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Reference Point:
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110059741249

Site: PERRIS VALLEY PRINTING CO
85 E RAMONA EXPRSWY STE 5 PERRIS CA 925717014

HAZNET

SIC Code: 7334
NAICS Code: 323114
EPA ID: CAL000167495
Create Date: 3/24/1995
Fac Act Ind: No
Inact Date: 6/30/2005
File Source: File Sent By Department
County Code: 33
County Name: Riverside
Mail Name:
Mailing Addr 1: 85 RAMONA EXPY STE 5
Mailing Addr 2:

Mailing City: PERRIS
Mailing State: CA
Mailing Zip: 925710000
Region Code: 4
Owner Name: JUDY AND MICHAEL MOUNTAIN
Owner Addr 1: 85 E RAMONA EXPRSWY SUITE 5
Owner Addr 2:
Owner City: PERRIS
Owner State: CA
Owner Zip: 925717014
Owner Phone: 0000000000
Owner Fax:

Contact Information

--
Contact Name: JUDY MOUNTAIN/OWNER
Street Address 1: --
Street Address 2:
City: --
State: 99
Zip: --
Phone: 9096574055
--

Tanner Information

--
Generator EPA ID: CAL000167495
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD981696420
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 134
State Waste Code Desc.: Aqueous solution with total organic residues less than 10 percent
Method Code: H01
Method Description: Transfer station
Tons: 0.168
Year: 1998
--

Generator EPA ID: CAL000167495
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD093459485
TSD County Code: 10
TSD County: Fresno
State Waste Code: 541
State Waste Code Desc.: Photochemicals/photoprocessing waste
Method Code: R01
Method Description: Recycler
Tons: 0.0125
Year: 2000
--

Generator EPA ID: CAL000167495
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAT000613976
TSD County Code: 30
TSD County: Orange
State Waste Code: 541
State Waste Code Desc.: Photochemicals/photoprocessing waste
Method Code: H01
Method Description: Transfer station
Tons: 0.1251
Year: 1995
--

Generator EPA ID: CAL000167495
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAT000613976

TSD County Code: 30
TSD County: Orange
State Waste Code: 541
State Waste Code Desc.: Photochemicals/photoprocessing waste
Method Code: H01
Method Description: Transfer station
Tons: 0.0625
Year: 1998
-- --

Site: PASTIME LAKES DAIRY
34450 RAMONA EXPWY LAKEVIEW CA 92567

HAZNET

SIC Code:	0241	Mailing City:	LAKEVIEW
NAICS Code:	11212	Mailing State:	CA
EPA ID:	CAL000264927	Mailing Zip:	925670000
Create Date:	1/15/2003 9:09:44 AM	Region Code:	4
Fac Act Ind:	No	Owner Name:	JOHN H TEVELDE
Inact Date:	6/30/2014	Owner Addr 1:	34450 RAMONA EXPWY
File Source:	File Sent By Department	Owner Addr 2:	
County Code:	33	Owner City:	LAKEVIEW
County Name:	Riverside	Owner State:	CA
Mail Name:	MARIE TEVELDE/BOOKKEEPER	Owner Zip:	925670000
Mailing Addr 1:	34450 RAMONA EXPWY	Owner Phone:	9516548969
Mailing Addr 2:		Owner Fax:	9516546699

Contact Information

-- --
Contact Name: JOHNNY TEVELDE/OWNER
Street Address 1: 34450 RAMONA EXPWY
Street Address 2:
City: LAKEVIEW
State: CA
Zip: 925670000
Phone: 9516548969
-- --

Site: BRIDGE ST 1/2 MI S OF GILLMAN SP. RD LAKEVIEW CA

HIST CHMIRS

OES Control NO:	8801229	Incident Date:	4/19/1988
Release Factors:	Abandoned	Date Reported:	4/19/1988
Release Text:		Fatalities:	
Equipm Involved:	No Equip Involved	Other Injury:	
Action Taken Text:	„HZCT/SAMPL	Other Decon:	
Chemicals:	POISON B	Other Fatal:	
Case Number:		Vehicle:	
HazMat Other:	HAZCAT,	State:	
HM Injury:		CA DOT PUC ICC:	
Decon:		Company Name:	
Agency Name:	RIVERSIDE CFD	County:	RIVERSIDE
Action Taken:	63,ID/Analysis of Hazmat,Other		
HazMat Pers:	Other,On-site Fire Services		
More than three involved?:	1		

Site: 2700 BLIC CENTRAL RIVERSIDE CA

HIST CHMIRS

OES Control NO:	9990766	Incident Date:	4/26/1988
Release Factors:	Other	Date Reported:	4/25/1988
Release Text:		Fatalities:	
Equipm Involved:	HazMat Transfer Equip	Other Injury:	
Action Taken Text:		Other Decon:	
Chemicals:	OIL, HYDRAULIC	Other Fatal:	
Case Number:		Vehicle:	
HazMat Other:		State:	
HM Injury:		CA DOT PUC ICC:	

Decon:
Agency Name: RIVERSIDE FD
Action Taken: Investigate,Monitor,Refer to Proper Authority
HazMat Pers: On-site Fire Services
More than three involved?: 2

Company Name:
County: RIVERSIDE

Site: 1000 BLK CENTRAL RIVERSIDE CA HIST CHMIRS

OES Control NO: 9260342
Release Factors: Suspicious Act
Release Text:
Equipm Involved: Other
Action Taken Text:
Chemicals: WASTE MOTOR OIL
Case Number:
HazMat Other:
HM Injury: 0
Decon: 0
Agency Name: RIVERSIDE FD
Action Taken: 63,Establish Safe Area,Monitor,Remove Hazard (Neutralize),Traffic Control
HazMat Pers:
More than three involved?: 2

Incident Date: 5/16/1992
Date Reported: 5/25/1992
Fatalities: 0
Other Injury: 0
Other Decon: 0
Other Fatal: 0
Vehicle:
State:
CA DOT PUC ICC:
Company Name: RIVERSIDE
County: RIVERSIDE

Site: 375 E RAMONA EXPRESS WAY PERRIS CA 925710000 HIST MANIFEST

Gen EPA ID: CAC000700112
Create Date: 11/25/1991 0:00:00
Inact Date: 10/25/2000 0:00:00
Facility Mail Street: 375 E RAMONA EXPRESSWAY
Facility Mail City: PERRIS
Facility Mail State: CA
Facility Mail Zip: 925710000
Contact Phone(s): 7146577497
File Year(s): 1991
Contact Name(s): ELLIS,PRIMROSE/ADMINSTRATIVE

Tanner Information

--
Generator EPA ID: CAC000700112
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAT080013352
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 241
State Waste Code Desc.: Tank bottom waste
Method Code: R01
Method Description: Recycler
Tons: 1.87
Year: 1991

--
Generator EPA ID: CAC000700112
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAT080013352
TSD County Code: 19
TSD County: Los Angeles
State Waste Code:
State Waste Code Desc.:
Method Code:
Method Description:
Tons: 0
Year: 1991
--

Site: SOUTHERN CALIFORNIA GAS CO
VIRGINIA ST AND GATO DEL SOL AVE MORENO VALLEY CA 92555

RCRA LQG

EPA Handler ID: CAR000240903
Current Site Name: SOUTHERN CALIFORNIA GAS CO
Generator Status Universe: Large Quantity Generator
Land Type: Private
Activity Location: CA
TSD Activity: No
Mixed Waste Generator: No
Importer Activity: No
Transporter Activity: No
Transfer Facility: No
Recycler Activity: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Inject Activity: No
Rece Waste From Off Site: No
Used Oil Transporter:
Used Oil Transfer Facility:
Used Oil Processor:
Used Oil Refiner:
Used Oil Burner:
Used Oil Market Burner:
Used Oil Spec Marketer:
Mailing Address: 8101 S ROSEMEAD BLVD, SC722E, PICO RIVERA, CA, 90660, US
Contact Name: NANCY B LEE
Contact Address: 8101 S ROSEMEAD BLVD, SC722E, PICO RIVERA, CA, 90660, US
Contact Email: NLEE2@SEMPRAUTILITIES.COM
Location Street 2: GATO DEL SOL AVE

--
Owner/Operator Information

--
Owner/Operator Indicator: CO
Owner/Operator Name: SAN DIEGO GAS AND ELECTRIC CO
Owner/Operator Address: PO BOX 1831 CARE OF DON GROVE SAN DIEGO CA US 92112
Owner/Operator Phone: 909-894-0225
Owner/Operator Type: P
Date Became Current: 19830601
Date Ended Current:

--
Owner/Operator Indicator: CP
Owner/Operator Name: SOUTHERN CALIFORNIA GAS CO
Owner/Operator Address: US
Owner/Operator Phone:
Owner/Operator Type: P
Date Became Current: 20120901
Date Ended Current:

--
NAICS Information

--
Naics Code: 22121
Naics Description: NATURAL GAS DISTRIBUTION
--
Naics Code: 48621
Naics Description: PIPELINE TRANSPORTATION OF NATURAL GAS
--

Handler Information

--
Date Received: 20130715
Facility Name: SOUTHERN CALIFORNIA GAS CO
Classification: Large Quantity Generator
--

Hazardous Waste Information

--
Waste Code: 212
Waste: from br conversion
--

Waste Code: 223
Waste: from br conversion
 --
Waste Code: 731
Waste: from br conversion
 --
Waste Code: D005
Waste: BARIUM
 --
Waste Code: D018
Waste: BENZENE
 --
Waste Code: D001
Waste: IGNITABLE WASTE
 --
Waste Code: D007
Waste: CHROMIUM
 --
Waste Code: D008
Waste: LEAD
 --
Waste Code: D004
Waste: ARSENIC
 --
Waste Code: D009
Waste: MERCURY
 --
Waste Code: 133
Waste: from br conversion
 --
Waste Code: 611
Waste: from br conversion
 --
Waste Code: F001
Waste: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:
 TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE,
 CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT
 MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT
 OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE
 SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE
 SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
 --
Waste Code: 134
Waste: from br conversion
 --
Waste Code: 261
Waste: from br conversion
 --
Waste Code: 352
Waste: from br conversion
 --
Waste Code: 181
Waste: from br conversion
 --
Waste Code: F003
Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE,
 ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE,
 AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE
 ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS
 CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A
 TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN
 F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT
 SOLVENTS AND SPENT SOLVENT MIXTURES.
 --
Waste Code: D006
Waste: CADMIUM
 --
Violation/Evaluation Information
 --

Site: MWD/Perris Power Plant
27500 Ramona Expwy Perris CA 92571

RIVERSIDE HWG

Site: Verizon Wireless (Antelope)
27931 Ramona Expressway Perris CA 92571

RIVERSIDE HZH

Site: MWD/Perris Power Plant
27500 Ramona Expwy Perris CA 92571

RIVERSIDE HZH

Site: T-Mobile West Corp. (IE04721C)
27931 Ramona Expressway Perris CA 92571

RIVERSIDE HZH

Site: MWD/Perris Power Plant
27500 Ramona Expwy Perris CA 92571

RIVERSIDE UST

NO of Tanks: 1

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List:

NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Jun 27, 2016

National Priority List - Proposed:

PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Jun 27, 2016

Deleted NPL:

DELETED NPL

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.

Government Publication Date: Jun 27, 2016

SEMS List 8R Active Site Inventory:

SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Mar 07, 2016

SEMS List 8R Archive Sites:

SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Mar 07, 2016

Comprehensive Environmental Response, Compensation and Liability Information System -

CERCLIS

CERCLIS:

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

CERCLIS - No Further Remedial Action Planned:

[CERCLIS NFRAP](#)

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:

[CERCLIS LIENS](#)

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:

[RCRA CORRACTS](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jun 21, 2016

RCRA non-CORRACTS TSD Facilities:

[RCRA TSD](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Jun 21, 2016

RCRA Generator List:

[RCRA LQG](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jun 21, 2016

RCRA Small Quantity Generators List:

[RCRA SQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jun 21, 2016

RCRA Conditionally Exempt Small Quantity Generators List:

[RCRA CESQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt Small Quantity Generators (CESQG) generate 100 kilograms or less per month of hazardous waste or one kilogram or less per month of acutely hazardous waste.

Government Publication Date: Jun 21, 2016

RCRA Non-Generators:

[RCRA NON GEN](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jun 21, 2016

Federal Engineering Controls-ECs:

FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jul 30, 2014

Federal Institutional Controls- ICs:

FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Jul 30, 2014

Emergency Response Notification System:

ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:

ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:

ERNS

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 7, 2015

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:

FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jul 14, 2016

FEMA Underground Storage Tank Listing:

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Apr 19, 2016

State

State Response Sites:

RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Jun 30, 2016

EnviroStor Database:

ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Apr 28, 2016

Solid Waste Information System (SWIS):

SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Jul 15, 2016

EnviroStor Hazardous Waste Facilities:

HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Jul 18, 2016

Land Disposal Sites:

LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Aug 24, 2016

Leaking Underground Fuel Tank Reports:

LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Jun 06, 2016

Delisted Leaking Storage Tanks:

DLST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Jul 07, 2016

Permitted Underground Storage Tank (UST) in GeoTracker:

UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Jul 18, 2016

Aboveground Storage Tanks:

AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

Delisted Storage Tanks:

DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Jul 18, 2016

Proposed Closure of Underground Storage Tank Cases:

UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: Jul 07, 2016

Historical Hazardous Substance Storage Information Database:

HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions:

[LUR](#)

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Jul 18, 2016

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions:

[HLUR](#)

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Government Publication Date: Jul 12, 2016

Deed Restrictions and Land Use Restrictions:

[DEED](#)

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Aug 11, 2016

Voluntary Cleanup Program:

[VCP](#)

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Jul 18, 2016

GeoTracker Cleanup Sites Data:

[CLEANUP SITES](#)

A list of cleanup sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Jun 06, 2016

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands:

[INDIAN LUST](#)

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Jan 31, 2016

Underground Storage Tanks (USTs) on Indian Lands:

[INDIAN UST](#)

USTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Jan 31, 2016

Delisted Tribal Leaking Storage Tanks:

[DELISTED ILST](#)

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Jan 31, 2016

Delisted Tribal Underground Storage Tanks:

[DELISTED IUST](#)

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Jan 31, 2016

County

Alameda County LOP Sites List:

[ALAMEDA LOP](#)

A list of Leaking Underground Storage Tanks (LUST) facilities in Alameda County. This list is made available by Alameda County Department of Environmental Health (ACEH). ACEH implements a Local Oversight Program (LOP) under contract with the State Water Resources Control Board to provide regulatory oversight of the investigation and cleanup of soil and groundwater contamination from leaking petroleum USTs.

Government Publication Date: Jun 22, 2016

Alameda County UST List:

[ALAMEDA UST](#)

A list of all registered Underground Storage Tanks (USTs) in the County of Alameda. The list is made available by Alameda County Department of Environmental Health.

Government Publication Date: Jun 23, 2016

Amador County CUPA List:

[AMADOR CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Amador County. This list is made available by Amador County Environmental Health Department which is the CUPA for Amador County and administers a consolidated hazardous materials program.

Government Publication Date: Aug 22, 2016

Butte County CUPA List:

[BUTTE CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Butte County. This list is made available by Butte County Public Health Department, Environmental Health Division which was certified by the California Environmental Protection Agency as the CUPA for Butte County.

Government Publication Date: Jul 01, 2016

Calaveras County CUPA Facilities List:

[CALAVERAS CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Calaveras. This list is made available by Calaveras County Environmental Health Department which has been certified by CalEPA to implement the Unified program as a CUPA.

Government Publication Date: Jun 21, 2016

Calaveras County Landfills List:

[CALAVERAS LF](#)

A list of landfills in Calaveras County. This list is made available by Calaveras County Environmental Health Department which has been designated as the CUPA for the County.

Government Publication Date: Jun 21, 2016

Calaveras County UST Remediation Sites:

[CALAVERAS LUST](#)

A list of Leaking Underground Storage Tank (LUST) facilities in Calaveras County. This list is made available by Calaveras County Environmental Health Department. Local Implementing Agency (LIA) provides oversight of site remediation with soil contamination while CalEPA - California Regional Water Quality Control Board - Central Valley Region oversees remediation of sites with groundwater contamination.

Government Publication Date: Jun 20, 2016

Colusa County CUPA List:

[COLUSA CUPA](#)

A list of facilities associated with Business Plan and Hazardous Generator programs in the County of Colusa. This list is made available by Colusa County Environmental Health which was certified by the California Environmental Protection Agency as Certified Unified Program Agency for Colusa County.

Government Publication Date: Jan 26, 2016

Contra Costa County CUPA List:

[CONTRACO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Contra Costa. This list is made available by Contra Costa County which has been certified by CalEPA to implement the Unified program as a CUPA.

Government Publication Date: Jul 21, 2016

Del Norte County CUPA Facility List:

[DELNORTE CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Del Norte County. This list is made available by Del Norte County Environmental Health Division which is the designated CUPA for the county.

Government Publication Date: Jul 21, 2016

El Dorado County CUPA Facility List:

[ELDORADO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in El Dorado County. This list is made available by El Dorado County Department of Environmental Management - Hazardous Waste Division which is approved by CalEPA as CUPA for El Dorado County.

Government Publication Date: May 24, 2016

Fresno County CUPA/Solid Waste Programs Resource List:

[FRESNO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Fresno County. This list is made available by Fresno County Department of Environmental Health Division which is approved by Cal-EPA as CUPA for the County.

Government Publication Date: Jul 13, 2016

Humboldt County CUPA Facility List:

[HUMBOLDT CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Humboldt County. This list is made available by Humboldt County Division of Environmental Health which is approved by the State Secretary for Environmental Protection as CUPA for the County.

Government Publication Date: May 11, 2016

Imperial County CUPA Facility List:

[IMPERIAL CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Imperial County. This list is made available by the California Department of Toxic Substances Control (DTSC) which is appointed as CUPA for Imperial County.

Government Publication Date: Apr 28, 2016

Inyo County CUPA Facility List:

[INYO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Inyo. This list is made available by the Inyo County Environmental Health Services Department which has been certified by CalEPA to implement the Unified program as a CUPA.

Government Publication Date: Jul 11, 2016

Kern County CUPA List:

[KERN CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Kern. This list is made available by Kern County Environmental Health Services Department which has been certified by CalEPA to implement the Unified program as a CUPA for Kern County.

Government Publication Date: May 20, 2016

Kern County UST List:

[KERN UST](#)

A list of all registered and inactive Underground Storage Tanks in the County of Kern. The list is made available by Kern County Environmental Health Division.

Government Publication Date: May 17, 2016

Kings County CUPA Facility List:

[KINGS CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Kings County. This list is made available by Kings County Department of Public Health which is appointed as CUPA for the county.

Government Publication Date: Jul 25, 2016

Lake County CUPA Facility List:

[LAKE CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Lake County. This list is made available by Lake County Division of Environmental Health which is CUPA for the entire county.

Government Publication Date: Aug 15, 2016

Los Angeles County - El Segundo City Underground Storage Tanks List:

[ELSEGUNDO UST](#)

A list of all registered Underground Storage Tanks (USTs) in the City of El Segundo of Los Angeles County. The list is made available by El Segundo City Fire Department.

Government Publication Date: Mar 11, 2016

Los Angeles County - Torrance City Underground Storage Tanks:

[TORRANCE UST](#)

A list of registered Underground Storage Tank (UST) sites in Torrance City of Los Angeles County. This list is made available by Torrance City Office of Clerk.

Government Publication Date: Jun 23, 2016

Los Angeles County HMS List:

[LA HMS](#)

This list contains sites that have or had permits for Industrial Waste, Underground Storage Tanks, or Storm water in the County of Los Angeles. This list is made available by the County of Los Angeles Department of Public Works.

Government Publication Date: May 17, 2016

Los Angeles County Long Beach UST List:

[LA LONGB UST](#)

A list of all registered active Underground Storage Tanks in the City of Long Beach of Los Angeles County. The list is made available by Long Beach Certified Unified Program Agency.

Government Publication Date: Aug 24, 2016

Los Angeles County Solid Waste Sites:

[LA SWF](#)

List of permitted solid waste facilities, closed landfills, historical dumpsites and other solid waste sites in Los Angeles County, made available by the Department of Public Works in Los Angeles County.

Government Publication Date: Jul 07, 2016

Madera County CUPA Facility List:

[MADERA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Madera County. This list is made available by Madera County Environmental Health Department which is CUPA for the entire county.

Government Publication Date: Jun 16, 2016

Marin County CUPA List:

[MARIN CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Marin. This list is made available by Marin County which has been certified by CalEPA to implement the Unified program as a CUPA.

Government Publication Date: Jul 28, 2016

Merced County CUPA Facilities List:

[MERCED CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Merced. This list is made available by Merced County which has been certified by CalEPA to implement the Unified program as a CUPA for the entire county.

Government Publication Date: Jul 16, 2016

Mono County CUPA Facility List:

[MONO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Mono County. This list is made available by Mono County Environmental Health Department which has been certified by CalEPA to implement the Unified program as a CUPA for the entire county.

Government Publication Date: Jun 22, 2016

Monterey County CUPA Facility List:

[MONTEREY CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Monterey County. This list is made available by Monterey County Hazardous Materials Management Services which is designated as the CUPA in Monterey County.

Government Publication Date: Aug 05, 2016

Napa County UST List:

[NAPA UST](#)

A list of all registered active Underground Storage Tanks (USTs) in the County of Napa. This list is made available by Napa County Environmental Health Division.

Government Publication Date: Mar 09, 2016

Nevada County CUPA Facility List:

[NEVADA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Nevada County. This list is made available by Nevada County Department of Environmental Health which is the CUPA for all cities and unincorporated areas within Nevada County.

Government Publication Date: Jul 25, 2016

Orange County Aboveground Petroleum Storage Tank Listing:

[ORANGE AST](#)

A list of Aboveground Petroleum Storage Tank (APST) facilities inspected by Orange County Certified Unified Program Agency (CUPA) Under the Aboveground Petroleum Storage Act (APSA). This list is made available by the Environmental Health Division of Orange County Health Care Agency.

Government Publication Date: Jul 01, 2016

Orange County Underground Storage Tanks Listing:

[ORANGE UST](#)

A list of registered Underground Storage Tank (UST) sites in Orange County. This list is made available by Orange County Health Care Agency (OCHCA), Environmental Health Division which oversees the underground storage tank inspection program in most of the cities of Orange County, with the exception of Anaheim, Fullerton, and Orange.

Government Publication Date: Jul 01, 2016

Placer County CUPA Facilities List:

[PLACER CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Placer County. This list is made available by Placer County Environmental Health which is designated CUPA for all areas of the county except for the City of Roseville.

Riverside County Local Oversight Program List:

[RIVERSIDE LOP](#)

A list of Leaking Underground Storage Tank (LUST) facilities in Riverside County. This list is made available by Riverside County Department of Environmental Health. Environmental Cleanup Program provides oversight of assessments and cleanups at properties that have been, or may have been, contaminated with hazardous substances from LUSTs or releases associated with other commercial/industrial use.

Government Publication Date: May 18, 2016

Riverside County Underground Storage Tanks List:

[RIVERSIDE UST](#)

A list of registered Underground Storage Tank (UST) sites in Riverside County. This list is made available by Riverside County Department of Environmental Health. The Hazardous Materials Management Branch (HMMB) regulates and oversees the inspections of constructions, repairs, upgrades, system operation and removal of UST systems.

Government Publication Date: May 18, 2016

Sacramento County Master Hazardous Materials Facility List:

[SACRAMENTO HAZ](#)

A list of Hazardous Materials Facilities in Sacramento County. This list is made available by Sacramento County Environmental Management Department which has been designated as the Certified Unified Program Agency (CUPA) for the County.

Government Publication Date: May 02, 2016

Sacramento Toxic Site Cleanup List:

[SACRAMENTO TOX](#)

Sacramento County Environmental Management Department (EMD)'s Toxic Site Cleanup List includes sites where unauthorized releases of potentially hazardous materials have occurred. The EMD's Site Assessment & Mitigation Program, also referred to as Toxic Site Cleanup Program, provides mandated regulatory oversight of the assessment and remediation of properties on which there has been a release of hazardous materials to soil and/or groundwater.

Government Publication Date: Aug 22, 2016

San Bernardino County CUPA List:

[SANBERN CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Bernardino County. This list is made available by San Bernardino County Fire Department which is the CUPA for all areas of the County except the city of Victorville.

Government Publication Date: Jul 25, 2016

San Diego County Hazardous Materials Management Division Database:

[SANDIEGO HAZ](#)

A list of facilities with Unified Program Facility Permit in San Diego County. This list has been made available by County of San Diego Environmental Health.

Government Publication Date: Jun 19, 2016

San Diego County Site Assessment and Mitigation Investigation Sites:

[SANDIEGO SAM](#)

List of sites which have undergone a Site Assessment and Mitigation investigation. This list is made available by the County of San Diego Department of Environmental Health.

Government Publication Date: Jul 18, 2016

San Diego County Solid Waste Facility List:

[SANDIEGO SWF](#)

A list of open and closed Solid Waste Facilities in the County of San Diego. The list is made available by San Diego County Department of Environmental Health.

Government Publication Date: Aug 12, 2016

San Francisco County Aboveground Storage Tanks List:

[SANFRAN AST](#)

A list of Aboveground Storage Tanks (ASTs) facilities inspected by San Francisco Department of Public Health's (SFDPH) Hazardous Materials and Waste Program. Aboveground storage containers or tanks include oil-filled equipment (such as hydraulic systems/reservoirs and heat transfer systems) which have a petroleum storage capacity of 55 gallons or greater.

Government Publication Date: Jun 27, 2016

San Francisco County CUPA Facilities List:

[SANFRAN CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Francisco County. This list is made available by San Francisco County Hazardous Materials and Waste Program which is the CUPA for all areas of the County.

Government Publication Date: Jun 27, 2016

San Francisco County LOP Sites:

[SANFRAN LOP](#)

A list of Underground Storage Tank (UST) release sites in the County of San Francisco. This list is made available by San Francisco County Department of Public Health Environmental Health Protection Branch.

Government Publication Date: May 25, 2016

San Francisco County UST List:

[SANFRAN UST](#)

A list of all registered Underground Storage Tanks (USTs) in the County of San Francisco. This list is made available by San Francisco County Environmental Health Division. The Hazardous Materials and Waste Program provides regulatory oversight for the construction, operation, repair and removal of USTs in San Francisco.

Government Publication Date: Jun 27, 2016

San Joaquin County Aboveground Tank List:

[SANJOAQUIN AST](#)

A list of Aboveground Storage Tanks (ASTs) inspected by San Joaquin County Environmental Health Department (SJCEHD) under Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Jul 22, 2016

San Joaquin County UST List:

[SANJOAQUIN UST](#)

A list of all registered Underground Storage Tanks in the County of San Joaquin. The list is made available by San Joaquin County Environmental Health Division.

Government Publication Date: Jul 22, 2016

San Joaquin Hazardous Waste Facilities:

[SANJOAQUIN HW](#)

A list of Hazardous Waste Facilities in San Joaquin County. This list is made available by San Joaquin County Environmental Health Department which has been designated as the CUPA for the County.

Government Publication Date: Jul 22, 2016

San Mateo County CUPA Facilities List:

[SANMATEO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Mateo County. This list is made available by San Mateo County Environmental Health Department which has been designated as the CUPA for the County.

Government Publication Date: May 2, 2016

San Mateo County LOP List:

[SANMATEO LOP](#)

A list of Leaking Underground Storage Tank (LUST) facilities in San Mateo County. This list is made available by San Mateo County Environmental Health Services Division.

Government Publication Date: May 10, 2016

Santa Clara County CUPA Facilities List:

[SANTA CLARA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Santa Clara County. This list is made available by Santa Clara County Department of Environmental Health (DEH). DEH's Hazardous Materials Compliance Division (HMCD) is CUPA for the county with jurisdiction within the Cities of Los Altos Hills, Monte Sereno, and Saratoga; and in all unincorporated areas of Santa Clara County, including Moffett Field, San Martin, and Stanford.

Government Publication Date: Aug 22, 2016

Santa Clara Local Oversight Program Listing:

[SANTA CLARA LO](#)

A list of Leaking Underground Storage Tanks (LUST) facilities in Santa Clara County Provided by Santa Clara Department of Environmental Health (DEH). Since July 1, 2004 the DEH has served as the oversight agency for investigations and clean-up of petroleum releases from underground storage tanks through implementation of the Local Oversight Program (LOP) contract with the State Water Resources Control Board.

Government Publication Date: Jul 07, 2016

Santa Cruz County CUPA Facility List:

[SANTACRUZ CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Santa Cruz County. This list is made available by Santa Cruz County Environmental Health Services (EHS) Division which has been designated as the CUPA for the County.

Government Publication Date: Jul 20, 2016

Shasta County CUPA Facility List:

[SHASTA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Shasta County. This list is made available by Shasta County Environmental Health Division which has been designated as the CUPA for Shasta County by CalEPA.

Government Publication Date: Aug 15, 2016

San Luis Obispo County CUPA Facilities List:

[SANLUI SOB CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Luis Obispo County. This list is made available by County of San Luis Obispo Environmental Health Services Division which has been designated as the CUPA for the County.

Government Publication Date: Aug 01, 2016

Solano County CUPA List:

[SOLANO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Solano. This list is made available by Solano County Environmental Health Division which has been certified by CalEPA to implement the Unified program as a CUPA.

Government Publication Date: Aug 04, 2016

Solano County Local Oversight Program List:

[SOLANO LOP](#)

A list of Leaking Underground Storage Tank (LUST) facilities in the Solano County. This list is made available by the Solano County Environmental Health Services. Since April 1993, the State Water Resources Control Board has contracted with the County of Solano to provide regulatory oversight for the cleanup of LUSTs under Local Oversight Program (LOP) contract.

Government Publication Date: Aug 04, 2016

Solano County Underground Storage Tanks List:

[SOLANO UST](#)

A list of all registered Underground Storage Tanks (USTs) in the County of Solano. The list is made available by Solano County Environmental Health Services Division. There are an estimated 190 facilities throughout the county that are subject to the regulatory requirements of the UST program.

Government Publication Date: Aug 04, 2016

Sonoma County CUPA Facilities List:

[SONOMA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Sonoma County. This list is made available by Sonoma County Hazardous Materials (HazMat) Division which has been designated as the CUPA for the County.

Government Publication Date: Jul 08, 2016

Sonoma County LOP Site List:

[SONOMA LOP](#)

A list of Leaking Underground Storage Tank (LUST) facilities in Sonoma County. This list is made available by Sonoma County Department of Health Services. Sonoma County Local Oversight Program (LOP) oversees the investigation and cleanup of fuel releases from underground storage tanks in all areas of the County with the exception of the Cities of Santa Rosa and Healdsburg.

Government Publication Date: Jul 01, 2016

Sonoma County Petaluma City CUPA Facilities:

[SONOMA PETAL](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Petaluma City, as well as Closed files including pre-CUPA sites. This list is made available by Petaluma Fire Prevention Bureau which is the CUPA for Petaluma City in Sonoma County.

Government Publication Date: Jul 26, 2016

Sutter County CUPA List:

[SUTTER CUPA](#)

A list of facilities associated with Aboveground Petroleum Storage Tank (APSA) regulation, Hazardous Materials Business Plan (HMBP) Program and Underground Storage Tank (UST) regulation of Certified Unified Program Agency (CUPA) programs in Sutter County. This list is made available by Sutter County Environmental Health Division which has been designated as the CUPA for the County.

Government Publication Date: Jul 15, 2016

Tuolumne County CUPA Facility List:

[TUOLUMNE CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Tuolumne County. This list is made available by Tuolumne County Environmental Health which is the CUPA for all areas of the County.

Government Publication Date: May 2, 2016

Ventura County CUPA Facilities List:

[VENTURA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Ventura County. This list is made available by Ventura County Environmental health Division.

Government Publication Date: Jul 28, 2016

Ventura County City of Oxnard CUPA Facility List:

[OXNARD CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Oxnard City. This list is made available by Oxnard City Fire Department which is the CUPA for Oxnard City in Ventura County.

Government Publication Date: May 04, 2016

Ventura County Inactive Underground Storage Tanks Sites:

[VENTURA INUST](#)

A list of inactive Underground Storage Tank (UST) sites in Ventura County. This list is made available by Ventura County Environmental Health Division.
Government Publication Date: Jul 21, 2016

Ventura County Leaking Underground Fuel Tanks - Historic:

[VENTURA HLUFT](#)

A historical list of cleanup oversight of the Leaking Underground Fuel Tank (LUFT) program provided by Ventura County Environmental Health Division. All new and existing underground fuel storage tank releases are now referred to the Los Angeles Regional Water Quality Control Board.
Government Publication Date: May 31, 2008

Yolo County UST List:

[YOLO UST](#)

A list of registered Underground Storage Tank (UST) sites in Yolo County. This list is made available by Yolo County Environmental Health Department which regulates the construction, operation, repair and removal of USTs throughout Yolo County.
Government Publication Date: Jul 25, 2016

Yuba County CUPA Facilities List:

[YUBA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Yuba County. This list is made available by Yuba County Environmental Health Division which is the CUPA for all areas of the County.
Government Publication Date: Aug 03, 2016

City of Bakersfield CUPA List:

[BKRSFIELD CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Bakersfield. This list is made available by the City of Bakersfield Fire Department.
Government Publication Date: Jul 29, 2016

Gilroy City CUPA Facilities List:

[SANTA CLARA GIL](#)

The Gilroy City Fire Marshal's office maintains a list of CUPA Facilities located in Gilroy City.
Government Publication Date: Apr 26, 2016

Alpine County CUPA List:

[ALPINE CUPA](#)

The Alpine County Health Department has been certified by Cal / EPA to implement the Unified program and maintains a list of Certified Unified Program Agency (CUPA) facilities.
Government Publication Date: Feb 24, 2015

Glenn County CUPA List:

[GLENN CUPA](#)

The Glenn County Air Pollution Control District is the Administering Agency and the Certified Unified Program Agency (CUPA) for Glenn County with responsibility for regulating hazardous materials handlers, hazardous waste generators, underground storage tank facilities, above ground storage tanks, and stationary sources handling regulated substances.
Government Publication Date: Aug 02, 2016

Lassen County CUPA List:

[LASSEN CUPA](#)

The Environmental Health Program of Lassen County tracks Certified Unified Program Agencies (CUPA) facilities.
Government Publication Date: Jul 28, 2016

Mariposa County CUPA List:

[MARIPOSA CUPA](#)

Mariposa County Health Department, Environmental Health Services, is certified by Cal-EPA as the Certified Unified Program Agency (CUPA) that administers specific hazardous materials/hazardous waste programs.
Government Publication Date: Jun 23, 2016

Mendocino County CUPA Facilities List:

[MENDOCINO CUPA](#)

A list of Certified Unified Program Agency (CUPA) facilities in Mendocino County. This list is made available by the Mendocino County Environmental Health Division.
Government Publication Date: Jul 19, 2016

Plumas County CUPA List:

[PLUMAS CUPA](#)

In Plumas County, the Environmental Health Department is the designated Certified Unified Program Agency (CUPA) that consolidates and coordinates administrative activities such as permits, inspections, and enforcement. CUPA Programs include Hazardous Materials Business Plan (HMBP), Underground Storage Tanks (USTs), Above Ground Storage Tanks (AGTs), Hazardous Waste Generators (HWG) and CAL-ARP.

Government Publication Date: Apr 14, 2016

San Benito CUPA List:

[SAN BENITO CUPA](#)

The San Benito County Environmental Health Department maintains a list of all Certified Unified Program Agency (CUPA) facilities.

Government Publication Date: Aug 30, 2016

Siskiyou County CUPA List:

[SISKIYOU CUPA](#)

The Hazardous Materials Management Group of Siskiyou County's Environmental Health Division Certified Unified Program Agency (CUPA) regulates underground tanks, hazardous materials (including but not limited to: hazardous substances, hazardous waste, and any material which a handler or the CUPA has reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment.

Government Publication Date: May 18, 2016

Stanislaus County CUPA List:

[STANISLAUS CUPA](#)

The Environmental Resources Department of Stanislaus County maintains a list of Certified Unified Program Agency (CUPA) facilities.

Government Publication Date: Aug 03, 2016

Tehama County CUPA List:

[TEHAMA CUPA](#)

The Environmental Health Department of Tehama County keeps a list of all Certified Unified Program Agency (CUPA) facilities within the county.

Government Publication Date: Aug 03, 2016

Trinity County CUPA List:

[TRINITY CUPA](#)

On January 1, 2005, the Department of Toxic Substances Control (DTSC) was authorized by the California Environmental Protection Agency (Cal/EPA) as the Trinity County Certified Unified Program Agency (CUPA). This CUPA list was made available by the DTSC.

Government Publication Date: Jul 08, 2016

Tulare County CUPA List:

[TULARE CUPA](#)

The Certified Unified Program Agency (CUPA) unifies and consolidates under one roof the various requirements for businesses handling hazardous materials, generating or treating hazardous wastes, or operating aboveground or underground storage tanks. CUPA thereby enhances consistency, reduces duplication, and simplifies compliance for the regulated public. The Tulare County Environmental Health Division was certified as a CUPA in December, 1996.

Government Publication Date: Jul 07, 2016

Los Angeles County - Santa Monica City Underground Storage Tank List:

[SANTA MONICA UST](#)

A list of registered active Underground Storage Tanks (USTs) in the City of Santa Monica made available by Santa Monica Fire Prevention Division.

Government Publication Date: Jul 22, 2016

Los Angeles County - Santa Monica City Hazardous Waste Facilities:

[HWFS](#)

A list of Hazardous Waste Facilities in Los Angeles County, City of Santa Monica. This list is made available by Santa Monica Fire Prevention Division.

Government Publication Date: Aug 01, 2016

Los Angeles County - Santa Monica City Aboveground Storage Tank List:

[ASTS](#)

A list of all registered Aboveground Storage Tanks (ASTs) in the City of Santa Monica of Los Angeles County. The list is made available by Santa Monica Fire Department.

Government Publication Date: Aug 01, 2016

Los Angeles County - Santa Monica City Hazardous Materials Facilities:

[HWMS](#)

A list of Hazardous Materials Facilities in the City of Santa Monica, Los Angeles county. This list is made available by Santa Monica Fire Prevention Division which has been designated as the CUPA for the City.

Government Publication Date: Aug 01, 2016

Los Angeles County - Santa Monica City CUPA Facilities List:

[SANTA MONICA CUPA](#)

The Santa Monica Fire Department's office maintains a list of CUPA Facilities located in Santa Monica city.

Government Publication Date: Aug 01, 2016

Los Angeles County - Burbank City CUPA List:

[BURBANK CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Burbank. This list is made available by the City of Burbank Fire Department.

Government Publication Date: Aug 09, 2016

San Leandro City CUPA Facilities List:

[SAN LEANDRO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Leandro City, Alameda County. This list is made available by San Leandro City Environmental Services Section.

Government Publication Date: Aug 17, 2016

Santa Barbara County Site Mitigation Unit (SMU) Master Site List:

[SANTA BARB SMU](#)

The Site Mitigation Unit Program (SMU) oversees the assessment and mitigation of hazardous substances releases that occur (which are not related with the Leaking Underground Fuel Tank Program). The SMU Master Site List is maintained by the Santa Barbara County Public Health Department Environmental Health Services Division.

Government Publication Date: Aug 04, 2016

Napa County LOP Site List:

[NAPA LOP](#)

A list of Local Oversight Program (LOP) sites (leaking underground storage tanks) in Napa County. This list is maintained by the Napa County Environmental Health Division

Government Publication Date: Jul 21, 2016

City of Berkeley CUPA Facilities:

[BERKELEY CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs at the City of Berkeley in Alameda County. This list is maintained by the Toxics Management Division at the City of Berkeley.

Government Publication Date: Jul 21, 2016

City of San Jose Hazardous Material Facilities:

[SAN JOSE HM](#)

A list of facilities with hazardous materials, including underground and aboveground tanks. This list is maintained by the City of San Jose Fire Department.

Government Publication Date: Jul 25, 2016

Calaveras County Underground Storage Tanks List:

[CALAVERAS UST](#)

A list of Underground Storage Tanks (UST) in Calaveras County provided by the Calaveras County Environmental Health Department.

Government Publication Date: Aug 16, 2016

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index:

[FINDS/FRS](#)

The US Environmental Protection Agency (EPA)'s Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, data collected from EPA's Central Data Exchange registrations and data management personnel.

Government Publication Date: Mar 9, 2016

Toxics Release Inventory (TRI) Program:

[TRIS](#)

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Dec 31, 2014

Hazardous Materials Information Reporting System:

HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: May 10, 2016

National Clandestine Drug Labs:

NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: May 17, 2016

Inventory of Open Dumps, June 1985:

ODI

The Resource Conservation and Recovery Act (RCRA of the Act) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

EPA Report on the Status of Open Dumps on Indian Lands:

IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

Toxic Substances Control Act:

TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Jun 30, 2014

Hist TSCA:

HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: 2006

FTTS Administrative Case Listing:

FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Nov 12, 2013

State Coalition for Remediation of Drycleaners Listing:

SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. It is comprised of states with established drycleaner remediation programs. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: May 09, 2016

Integrated Compliance Information System (ICIS):

ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: May 24, 2016

Drycleaner Facilities:

FED DRYCLEANERS

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 20, 2016

Formerly Used Defense Sites:

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Dec 31, 2013

Material Licensing Tracking System (MLTS):

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC.

Government Publication Date: Jul 13, 2016

Historic Material Licensing Tracking System (MLTS) sites:

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Feb 19, 2016

State

EnviroStor Inspection, Compliance, and Enforcement:

INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Jul 15, 2016

Clandestine Drug Lab Sites:

CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/ clandestine drug laboratories.

Government Publication Date: Dec 31, 2015

School Property Evaluation Program Sites:

SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Jul 19, 2016

California Hazardous Material Incident Report System (CHMIRS):

CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jun 03, 2016

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report:

SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Hazardous Waste Manifest Data:

HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 2, 2015

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels:

SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

List of Hazardous Waste Facilities Subject to Corrective Action:

DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

Historical Hazardous Waste Manifest Data:

HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

Historical California Hazardous Material Incident Report System (CHMIRS):

HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Cease and Desist Orders and Cleanup and Abatement Orders:

CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Feb 16, 2012

Drycleaner Facilities:

DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: May 20, 2016

Tribal

No Tribal additional environmental record sources available for this State.

County

Los Angeles County Site Mitigation List:

[LA SML](#)

A Site Mitigation List in the County of Los Angeles. The list is made available by Los Angeles County Fire Department. Site mitigation is handled by the Site Mitigation Unit (SMU) which facilitates completion of site clean-up projects of contaminated sites in an expeditious manner in all cities of the Los Angeles County except El Segundo, Glendale, Long Beach, Santa Fe Springs, and Vernon.

Government Publication Date: Jun 23, 2015

Riverside County Disclosure Facility List:

[RIVERSIDE HZH](#)

A list of facilities disclosed to Riverside County Department of Environmental Health (DEH). This list is made available by Riverside County DEH which has been designated as the CUPA for the County. A business is required to establish and submit a Business Plan if the facility handles hazardous material equal to or greater than 55 gallons, 500 pounds or 200 cubic feet at any time during the year.

Government Publication Date: May 18, 2016

Riverside County Hazardous Waste Generator Sites List:

[RIVERSIDE HWG](#)

A list of Hazardous Waste Generator Sites in the County of Riverside. This list is made available by Riverside County Department of Environmental Health which has been designated as the CUPA for the County.

Government Publication Date: May 18, 2016

San Joaquin County Hazardous Materials Facilities List:

[SANJOAQUIN HM](#)

A list of Hazardous Materials Facilities in San Joaquin County. This list is made available by San Joaquin County Environmental Health Department which has been designated as the CUPA for the County.

Government Publication Date: Jul 22, 2016

Ventura County Hazardous Material Release (Prop 65) Sites:

[VENTURA HAZR](#)

A historic list of hazardous material releases from the Hazardous Material Release Report collected by the Environmental Health Division of Ventura County. As per the department this report contains records from 1987 to 2014.

Government Publication Date: 1987 - 2014

Ventura County Inactive Hazardous Waste Sites:

[HW INACTIVE](#)

A list of Inactive Hazardous Waste Sites in Ventura County collected by Ventura County's Environmental Health Division.

Government Publication Date: Jun 28, 2016

Delisted County Records:

[DELISTED COUNTY](#)

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Aug 24, 2016

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



DATABASE REPORT

Project Property: *Potrero Unit
n/a
Riverside County CA*

Project No:

Report Type: *Database Report*

Order No: *20160916109*

Requested by: *Dudek & Associates, Inc.*

Date Completed: *September 19, 2016*

**Environmental Risk
Information Services**
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E: info@erisinfo.com

www.erisinfo.com

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	9
Executive Summary: Site Report Summary - Surrounding Properties.....	10
Executive Summary: Summary by Data Source.....	11
Map.....	14
Aerial.....	17
Detail Report.....	18
Unplottable Summary.....	40
Unplottable Report.....	42
Appendix: Database Descriptions.....	62
Definitions.....	80

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Executive Summary

Property Information:

Project Property: *Potrero Unit
n/a Riverside County CA*

Project No:

Coordinates:

Latitude: *33.861568*
Longitude: *-116.962197*
UTM Northing: *3,746,807.74*
UTM Easting: *503,496.66*
UTM Zone: *UTM Zone 11S*

Elevation: *2,057 FT*

Order Information:

Order No: *20160916109*
Date Requested: *September 16, 2016*
Requested by: *Dudek & Associates, Inc.*
Report Type: *Database Report*

Historicals/Products:

Aerial Photographs *Historical Aerials*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	.5	0	0	0	0	-	0
SEMS	Y	.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	.5	0	0	0	0	-	0
CERCLIS	Y	.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	.5	0	0	0	0	-	0
RCRA LQG	Y	.25	0	0	0	-	-	0
RCRA SQG	Y	.25	1	0	0	-	-	1
RCRA CESQG	Y	.25	0	0	0	-	-	0
RCRA NON GEN	Y	.25	0	0	0	-	-	0
FED ENG	Y	.5	0	0	0	0	-	0
FED INST	Y	.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	.5	0	0	0	0	-	0
FEMA UST	Y	.25	0	0	0	-	-	0
State								
RESPONSE	Y	1	1	0	0	0	0	1
ENVIROSTOR	Y	1	0	0	0	0	0	0
SWF/LF	Y	.5	0	0	0	2	-	2
HWP	Y	1	0	0	0	0	0	0
LDS	Y	.5	0	0	0	0	-	0
LUST	Y	.5	0	0	0	1	-	1

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DLST	Y	.5	0	0	0	0	-	0
UST	Y	.25	0	1	0	-	-	1
AST	Y	.25	0	0	0	-	-	0
DELISTED TNK	Y	.25	0	0	0	-	-	0
UST CLOSURE	Y	.25	0	0	0	-	-	0
HHSS	Y	.25	0	0	0	-	-	0
LUR	Y	.5	0	0	0	0	-	0
HLUR	Y	.5	0	0	0	0	-	0
DEED	Y	.5	0	0	0	0	-	0
VCP	Y	.5	0	0	0	0	-	0
CLEANUP SITES	Y	.5	1	0	0	0	-	1
Tribal								
INDIAN LUST	Y	.5	0	0	0	0	-	0
INDIAN UST	Y	.25	0	0	0	-	-	0
DELISTED ILST	Y	.5	0	0	0	0	-	0
DELISTED IUST	Y	.25	0	0	0	-	-	0
County								
ALAMEDA LOP	Y	.5	0	0	0	0	-	0
ALAMEDA UST	Y	.25	0	0	0	-	-	0
AMADOR CUPA	Y	.25	0	0	0	-	-	0
BUTTE CUPA	Y	.25	0	0	0	-	-	0
CALAVERAS CUPA	Y	.25	0	0	0	-	-	0
CALAVERAS LF	Y	.5	0	0	0	0	-	0
CALAVERAS LUST	Y	.5	0	0	0	0	-	0
COLUSA CUPA	Y	.25	0	0	0	-	-	0
CONTRACO CUPA	Y	.25	0	0	0	-	-	0
DELNORTE CUPA	Y	.25	0	0	0	-	-	0
ELDORADO CUPA	Y	.25	0	0	0	-	-	0
FRESNO CUPA	Y	.25	0	0	0	-	-	0
HUMBOLDT CUPA	Y	.25	0	0	0	-	-	0
IMPERIAL CUPA	Y	.25	0	0	0	-	-	0
INYO CUPA	Y	.25	0	0	0	-	-	0
KERN CUPA	Y	.25	0	0	0	-	-	0
KERN UST	Y	.25	0	0	0	-	-	0
KINGS CUPA	Y	.25	0	0	0	-	-	0
LAKE CUPA	Y	.25	0	0	0	-	-	0
ELSEGUNDO UST	Y	.25	0	0	0	-	-	0
TORRANCE UST	Y	.25	0	0	0	-	-	0
LA HMS	Y	.25	0	0	0	-	-	0
LA LONGB UST	Y	.25	0	0	0	-	-	0

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
LA SWF	Y	.5	0	0	0	0	-	0
MADERA CUPA	Y	.25	0	0	0	-	-	0
MARIN CUPA	Y	.25	0	0	0	-	-	0
MERCED CUPA	Y	.25	0	0	0	-	-	0
MONO CUPA	Y	.25	0	0	0	-	-	0
MONTEREY CUPA	Y	.25	0	0	0	-	-	0
NAPA UST	Y	.25	0	0	0	-	-	0
NEVADA CUPA	Y	.25	0	0	0	-	-	0
ORANGE AST	Y	.25	0	0	0	-	-	0
ORANGE UST	Y	.25	0	0	0	-	-	0
PLACER CUPA	Y	.25	0	0	0	-	-	0
RIVERSIDE LOP	Y	.5	0	0	1	0	-	1
RIVERSIDE UST	Y	.25	0	0	0	-	-	0
SACRAMENTO HAZ	Y	.5	0	0	0	0	-	0
SACRAMENTO TOX	Y	.5	0	0	0	0	-	0
SANBERN CUPA	Y	.25	0	0	0	-	-	0
SANDIEGO HAZ	Y	.25	0	0	0	-	-	0
SANDIEGO SAM	Y	.5	0	0	0	0	-	0
SANDIEGO SWF	Y	.5	0	0	0	0	-	0
SANFRAN AST	Y	.25	0	0	0	-	-	0
SANFRAN CUPA	Y	.25	0	0	0	-	-	0
SANFRAN LOP	Y	.5	0	0	0	0	-	0
SANFRAN UST	Y	.25	0	0	0	-	-	0
SANJOAQUIN AST	Y	.25	0	0	0	-	-	0
SANJOAQUIN UST	Y	.25	0	0	0	-	-	0
SANJOAQUIN HW	Y	.5	0	0	0	0	-	0
SANMATEO CUPA	Y	.25	0	0	0	-	-	0
SANMATEO LOP	Y	.5	0	0	0	0	-	0
SANTA CLARA CUPA	Y	.25	0	0	0	-	-	0
SANTA CLARA LO	Y	.5	0	0	0	0	-	0
SANTACRUZ CUPA	Y	.25	0	0	0	-	-	0
SHASTA CUPA	Y	.25	0	0	0	-	-	0
SANLUISOB CUPA	Y	.25	0	0	0	-	-	0
SOLANO CUPA	Y	.25	0	0	0	-	-	0
SOLANO LOP	Y	.5	0	0	0	0	-	0
SOLANO UST	Y	.25	0	0	0	-	-	0
SONOMA CUPA	Y	.25	0	0	0	-	-	0
SONOMA LOP	Y	.5	0	0	0	0	-	0
SONOMA PETAL	Y	.25	0	0	0	-	-	0
SUTTER CUPA	Y	.25	0	0	0	-	-	0
TUOLUMNE CUPA	Y	.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
VENTURA CUPA	Y	.25	0	0	0	-	-	0
OXNARD CUPA	Y	.25	0	0	0	-	-	0
VENTURA INUST	Y	.25	0	0	0	-	-	0
VENTURA HLUFT	Y	.5	0	0	0	0	-	0
YOLO UST	Y	.25	0	0	0	-	-	0
YUBA CUPA	Y	.25	0	0	0	-	-	0
BKRSFIELD CUPA	Y	.25	0	0	0	-	-	0
SANTA CLARA GIL	Y	.25	0	0	0	-	-	0
ALPINE CUPA	Y	.25	0	0	0	-	-	0
GLENN CUPA	Y	.25	0	0	0	-	-	0
LASSEN CUPA	Y	.25	0	0	0	-	-	0
MARIPOSA CUPA	Y	.25	0	0	0	-	-	0
MENDOCINO CUPA	Y	.25	0	0	0	-	-	0
PLUMAS CUPA	Y	.25	0	0	0	-	-	0
SAN BENITO CUPA	Y	.25	0	0	0	-	-	0
SISKIYOU CUPA	Y	.25	0	0	0	-	-	0
STANISLAUS CUPA	Y	.25	0	0	0	-	-	0
TEHAMA CUPA	Y	.25	0	0	0	-	-	0
TRINITY CUPA	Y	.25	0	0	0	-	-	0
TULARE CUPA	Y	.25	0	0	0	-	-	0
SANTA MONICA UST	Y	.25	0	0	0	-	-	0
HWFS	Y	.25	0	0	0	-	-	0
ASTS	Y	.25	0	0	0	-	-	0
HWMS	Y	.25	0	0	0	-	-	0
SANTA MONICA CUPA	Y	.25	0	0	0	-	-	0
BURBANK CUPA	Y	.25	0	0	0	-	-	0
SAN LEANDRO CUPA	Y	.25	0	0	0	-	-	0
SANTA BARB SMU	Y	.5	0	0	0	0	-	0
NAPA LOP	Y	.5	0	0	0	0	-	0
BERKELEY CUPA	Y	.25	0	0	0	-	-	0
SAN JOSE HM	Y	.25	0	0	0	-	-	0
CALAVERAS UST	Y	.25	0	0	0	-	-	0

Additional Environmental Records

Federal

FINDS/FRS	Y	PO	4	-	-	-	-	4
TRIS	Y	PO	0	-	-	-	-	0
HMIRS	Y	.125	0	0	-	-	-	0
NCDL	Y	PO	0	-	-	-	-	0
ODI	Y	.5	0	0	0	0	-	0
IODI	Y	.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
TSCA	Y	.125	0	0	-	-	-	0
HIST TSCA	Y	.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	.25	0	0	0	-	-	0
State								
INSP COMP ENF	Y	1	0	0	0	0	0	0
CDL	Y	.125	0	1	-	-	-	1
SCH	Y	1	0	0	0	0	0	0
CHMIRS	Y	PO	0	-	-	-	-	0
SWAT	Y	.5	0	0	0	0	-	0
HAZNET	Y	PO	0	-	-	-	-	0
SWRCB SWF	Y	.5	0	0	0	0	-	0
DTSC HWF	Y	.5	0	0	0	0	-	0
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
CDO/CAO	Y	.5	0	0	0	0	-	0
DRYCLEANERS	Y	.25	0	0	0	-	-	0
Tribal	No Tribal additional environmental record sources available for this State.							
County								
LA SML	Y	.5	0	0	0	0	-	0
RIVERSIDE HZH	Y	.125	0	0	-	-	-	0
RIVERSIDE HWG	Y	.125	0	0	-	-	-	0
SANJOAQUIN HM	Y	.125	0	0	-	-	-	0
VENTURA HAZR	Y	.5	0	0	0	0	-	0
HW INACTIVE	Y	.5	0	0	0	0	-	0
DELISTED COUNTY	Y	.25	0	0	0	-	-	0
Total:			7	2	1	3	0	13

* PO – Property Only

* 'Property and adjoining properties' database search radii are set at 0.25 miles.

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	CLEANUP SITES	LOCKHEED PROPULSION CO.	17255 Highland Springs Road BEAUMONT CA 92223	-	0.00 / 0.00	-119	18
2	FINDS/FRS	FORMER LOCKHEED PROPULSION COMPANY SITE	17255 HIGHLAND SPRINGS AVE BEAUMONT CA 92223	-	0.00 / 0.00	202	19
2	FINDS/FRS	LOCKHEED PROPULSION CO.	17255 HIGHLAND SPRINGS ROAD BEAUMONT CA 92223	-	0.00 / 0.00	202	19
2	FINDS/FRS	FORMER LOCKHEED PROPULSION CO.NA BEAUMONT 1 TEST FACILITIES	17255 HIGHLAND SPRINGS BEAUMONT CA 92223	-	0.00 / 0.00	202	20
2	FINDS/FRS	LOCKHEED MARTIN CORP	17255 HIGHLAND SPRINGS RD BEAUMONT CA 92223	-	0.00 / 0.00	202	20
2	RCRA SQG	BEAUMONT POTRERO CREEK SITE	17255 HIGHLAND SPRINGS RD. BEAUMONT CA 92220	-	0.00 / 0.00	202	21
3	RESPONSE	LOCKHEED PROPULSION- BEAUMONT NO. 1	HIGHLAND SPRINGS ROAD BEAUMONT CA 92223 <i>ESTOR EPA ID: 33370039</i>	-	0.00 / 0.00	101	22

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
4	SWF/LF	Lamb Canyon Sanitary Landfill	16411 State Hwy 79 Beaumont CA	NW	0.26 / 1,380.33	88	35
4	SWF/LF	Lamb Canyon Research Composting	16411 State Highway 79 Beaumont CA	NW	0.26 / 1,380.33	88	36
5	CDL		20040 CRESTVIEW DR SAN JACINTO CA 92383	SSW	0.03 / 180.25	-437	37
6	UST	GOLDEN ERA PRODUCTIONS	19625 HWY 79 (LAMB CANYON RD) Gilman Hot Springs CA 92583 Facility ID: 370	WSW	0.07 / 354.40	-521	37
7	RIVERSIDE LOP	GOLDEN ERA PRODUCTIONS	19625 GILMAN SPRINGS ROAD SAN JACINTO CA Site ID / Status Desc: 200723789 - CLOSED/ACTION COMPLETED	SW	0.25 / 1,301.73	-573	37
8	LUST	GOLDEN ERA PRODUCTIONS	19625 GILMAN SPRINGS ROAD SAN JACINTO CA 92583 Global ID / Status: T0606556594 / Completed - Case Closed	SW	0.25 / 1,338.54	-582	37

Executive Summary: Summary by Data Source

Standard

Federal

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Jun 21, 2016 has found that there are 1 RCRA SQG site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BEAUMONT POTRERO CREEK SITE	17255 HIGHLAND SPRINGS RD. BEAUMONT CA 92220	-	0.00 / 0.00	2

State

RESPONSE - State Response Sites

A search of the RESPONSE database, dated Jun 30, 2016 has found that there are 1 RESPONSE site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LOCKHEED PROPULSION- BEAUMONT NO. 1	HIGHLAND SPRINGS ROAD BEAUMONT CA 92223 <i>ESTOR EPA ID: 33370039</i>	-	0.00 / 0.00	3

SWF/LF - Solid Waste Information System (SWIS)

A search of the SWF/LF database, dated Jul 15, 2016 has found that there are 2 SWF/LF site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Lamb Canyon Sanitary Landfill	16411 State Hwy 79 Beaumont CA	NW	0.26 / 1,380.33	4
Lamb Canyon Research Composting	16411 State Highway 79 Beaumont CA	NW	0.26 / 1,380.33	4

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Jun 06, 2016 has found that there are 1 LUST site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
GOLDEN ERA PRODUCTIONS	19625 GILMAN SPRINGS ROAD SAN JACINTO CA 92583	SW	0.25 / 1,338.54	8

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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Global ID / Status: T0606556594 / Completed - Case Closed

UST - Permitted Underground Storage Tank (UST) in GeoTracker

A search of the UST database, dated Jul 18, 2016 has found that there are 1 UST site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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GOLDEN ERA PRODUCTIONS	19625 HWY 79 (LAMB CANYON RD) Gilman Hot Springs CA 92583	WSW	0.07 / 354.40	6
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Facility ID: 370

CLEANUP SITES - GeoTracker Cleanup Sites Data

A search of the CLEANUP SITES database, dated Jun 06, 2016 has found that there are 1 CLEANUP SITES site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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LOCKHEED PROPULSION CO.	17255 Highland Springs Road BEAUMONT CA 92223	-	0.00 / 0.00	1
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County

RIVERSIDE LOP - Riverside County Local Oversight Program List

A search of the RIVERSIDE LOP database, dated May 18, 2016 has found that there are 1 RIVERSIDE LOP site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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GOLDEN ERA PRODUCTIONS	19625 GILMAN SPRINGS ROAD SAN JACINTO CA	SW	0.25 / 1,301.73	7
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Site ID / Status Desc: 200723789 - CLOSED/ACTION COMPLETED

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Mar 9, 2016 has found that there are 4 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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LOCKHEED PROPULSION CO.	17255 HIGHLAND SPRINGS ROAD BEAUMONT CA 92223	-	0.00 / 0.00	2
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LOCKHEED MARTIN CORP	17255 HIGHLAND SPRINGS RD BEAUMONT CA 92223	-	0.00 / 0.00	2
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<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FORMER LOCKHEED PROPULSION CO.NA BEAUMONT 1 TEST FACILITIES	17255 HIGHLAND SPRINGS BEAUMONT CA 92223	-	0.00 / 0.00	2

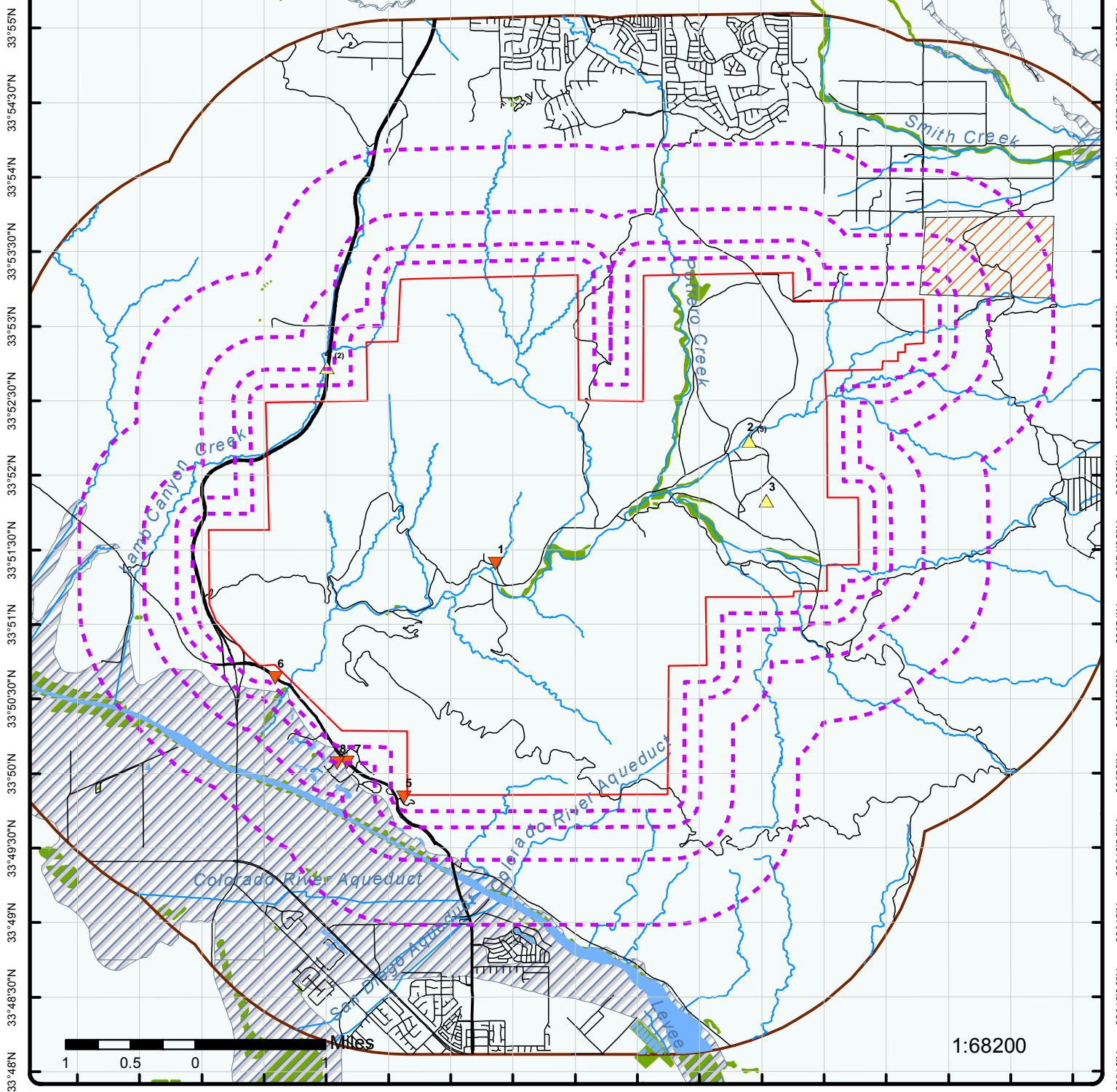
FORMER LOCKHEED PROPULSION COMPANY SITE	17255 HIGHLAND SPRINGS AVE BEAUMONT CA 92223	-	0.00 / 0.00	2
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State

CDL - Clandestine Drug Lab Sites

A search of the CDL database, dated Dec 31, 2015 has found that there are 1 CDL site(s) within approximately 0.12 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	20040 CRESTVIEW DR SAN JACINTO CA 92383	SSW	0.03 / 180.25	5

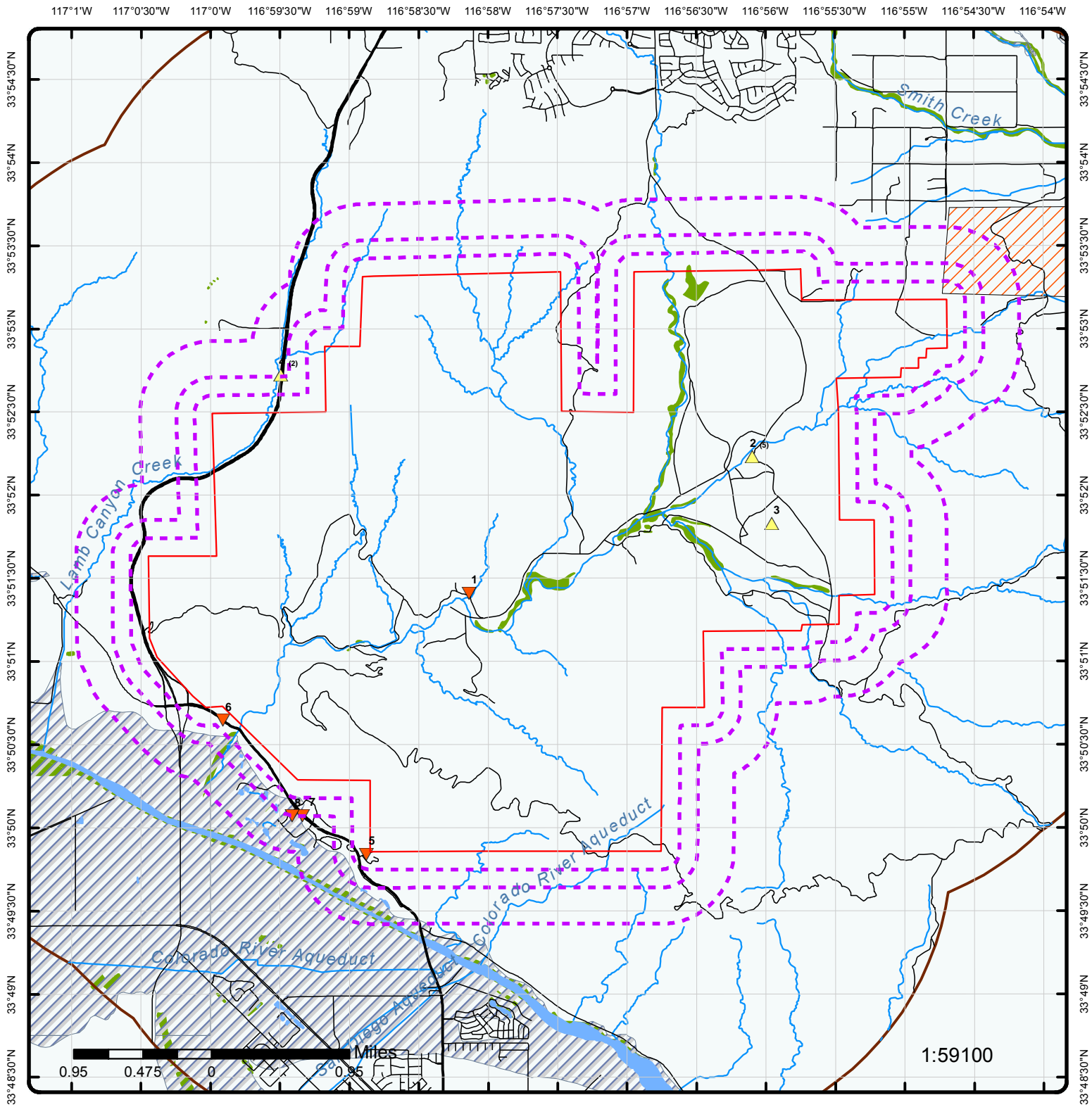


Map : 1 Mile Radius

Order No: 20160916109
 Address: n/a, Riverside County, CA



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas: Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas: NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

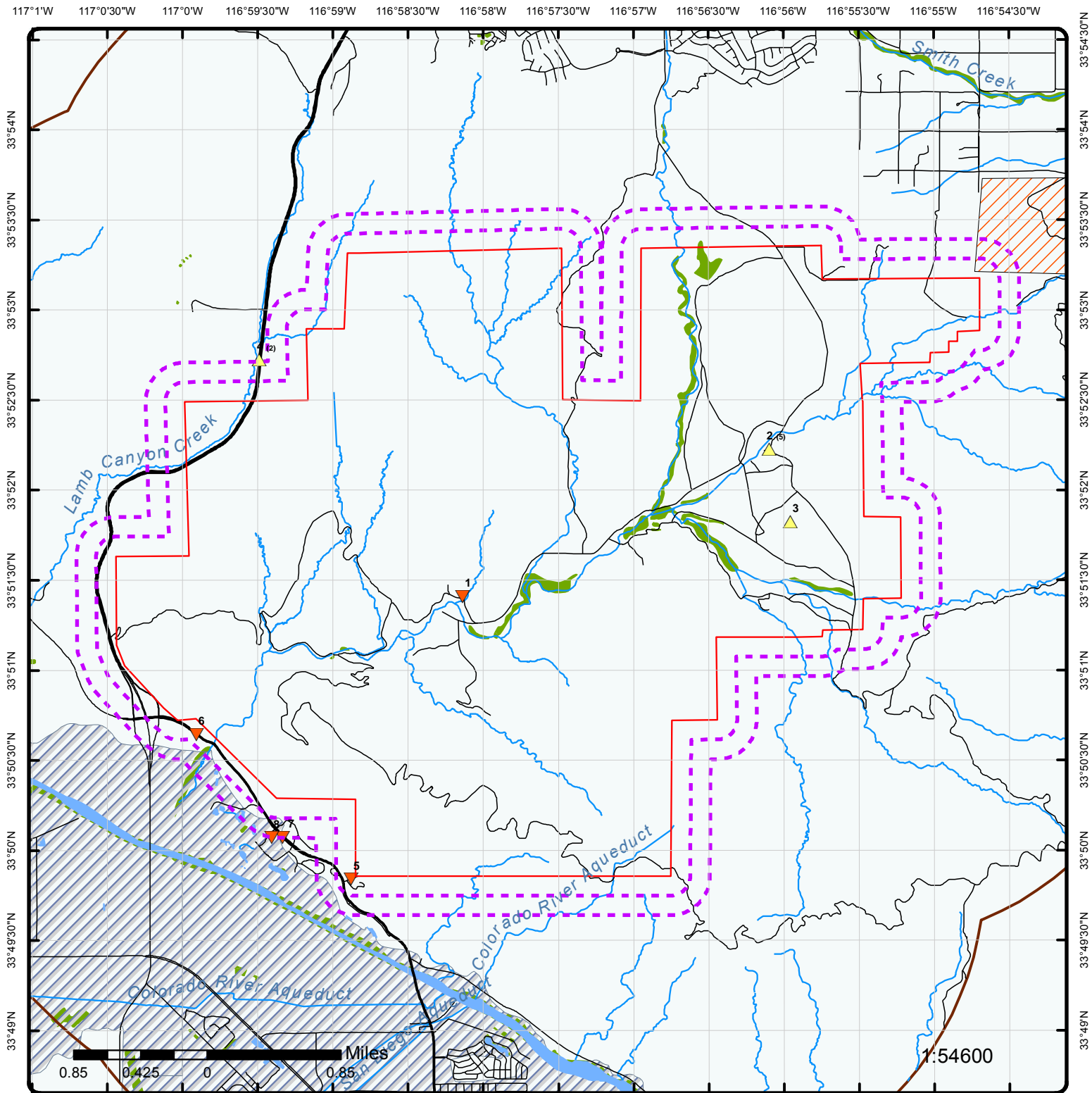


Map : 0.5 Mile Radius

Order No: 20160916109
 Address: n/a, Riverside County, CA



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		



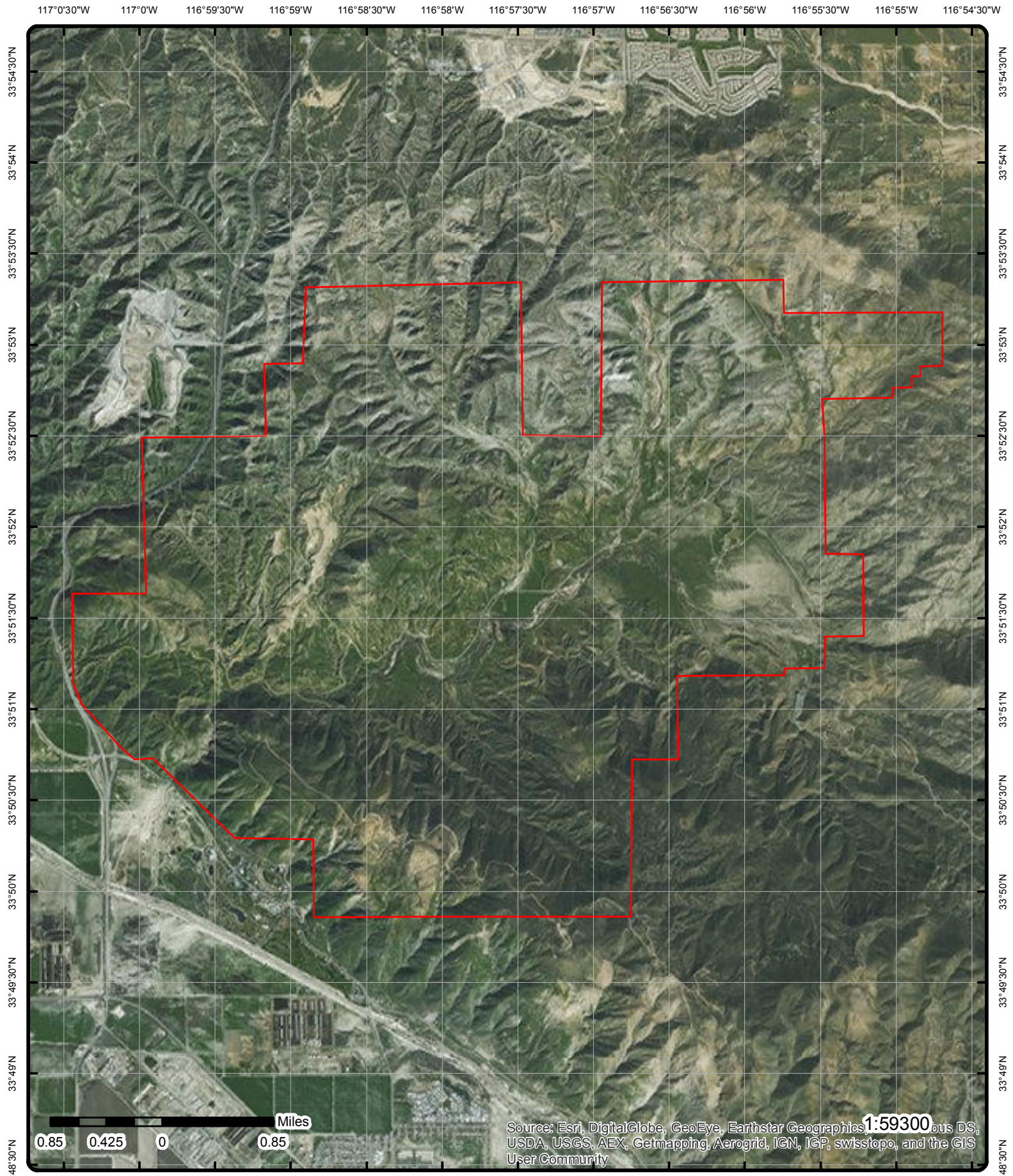
Map : 0.25 Mile Radius

Order No: 20160916109

Address: n/a, Riverside County, CA



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, **1:59300** bus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Aerial

Address: n/a, Riverside County, CA

Source: ESRI World Imagery

Order No: 20160916109



© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
1	1 of 1	-	0.00 / 0.00	1,937.40	LOCKHEED PROPULSION CO. 17255 Highland Springs Road BEAUMONT CA 92223	CLEANUP SITES

Global ID: SLT8R0263911
Case Type: Cleanup Program Site
Status: Open - Assessment & Interim Remedial Action
Status Date: 2010-05-10 00:00:00
RB Case Number: SLT8R026
LOC Case Number:
CUF Case: NO
County: Riverside
Latitude: 33.8568295346361
Longitude: -116.968951821327
Lead Agency: SANTA ANA RWQCB (REGION 8)
Case Worker: KS
Local Agency:
File Location: Regional Board
Potential Cntm of Concrn:
Potential Media Affected:

Site History:

The Beaumont No. 1 Facility covers approximately 9,100 acres and was originaally used for ranching. The Grand Central Rocket Company bought the Site in the 1950s . Lockheed Propulsion Company purchased the property in 1960. Lockheed used the facility for solid rocket propellant mixing and testing, ballistics testing, motor casing washout, and burning of waste propellant from 1960 until operations ended in 1974. Department of Toxic Substances Control (DTSC) is the lead agency for this Site. Numerous soil and groundwater investigations have been performed since 1986. Groundwater underlying the Site iis being monitored for VOCs, 1,4-Dioxane and perchlorate under supervision of DTSC. A remedial action plan is being prepared for the underlying groundwater at the Site.

Status History

Status: Open - Case Begin Date
Status Date: 1986-10-10 00:00:00

Status: Open - Site Assessment
Status Date: 1986-10-10 00:00:00

Status: Open - Assessment & Interim Remedial Action
Status Date: 2010-05-10 00:00:00

Activities

Action Type: Other
Date: 1965-01-02 00:00:00
Action: Leak Reported

Contact Information

Contact Type: Regional Board Caseworker
Contact Name: KAMRON SAREMI
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: ksaremi@waterboards.ca.gov
Phone Number: 9517824130

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
2	1 of 5	-	0.00 / 0.00	2,258.06	FORMER LOCKHEED PROPULSION COMPANY SITE 17255 HIGHLAND SPRINGS AVE BEAUMONT CA 92223	FINDS/FRS
Registry ID:		110055741167				
FIPS Code:		33				
Program Acronyms:		CA-CERS				
HUC Code:						
Site Type Name:		STATIONARY				
EPA Region Code:		09				
Conveyor:						
County Name:		RIVERSIDE				
Source:						
SIC Codes:						
SIC Code Descriptions:						
Federal Facility Code:						
NAICS Codes:						
NAICS Code Descriptions:						
Federal Agency Name:						
US/Mexico Border Ind:						
Congressional Dist No:						
Census Block Code:						
Create Date:		15-SEP-2013 12:08:31				
Update Date:						
Location Description:						
Supplemental Location:		17255 HIGHLAND SPRINGS AVE				
Tribal Land Code:						
Tribal Land Name:						
Latitude:						
Longitude:						
Coord Collection Method:						
Accuracy Value:						
Datum:		NAD83				
Reference Point:						
Interest Types:		STATE MASTER				
Facility Detail Rprt URL:		http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110055741167				

2	2 of 5	-	0.00 / 0.00	2,258.06	LOCKHEED PROPULSION CO. 17255 HIGHLAND SPRINGS ROAD BEAUMONT CA 92223	FINDS/FRS
Registry ID:		110066228889				
FIPS Code:						
Program Acronyms:		CA-ENVIROVIEW				
HUC Code:						
Site Type Name:		STATIONARY				
EPA Region Code:		09				
Conveyor:						
County Name:		RIVERSIDE				
Source:						
SIC Codes:						
SIC Code Descriptions:						
Federal Facility Code:						
NAICS Codes:						
NAICS Code Descriptions:						
Federal Agency Name:						
US/Mexico Border Ind:						
Congressional Dist No:						
Census Block Code:						
Create Date:		14-OCT-2015 10:32:17				
Update Date:						
Location Description:						
Supplemental Location:		17255 HIGHLAND SPRINGS ROAD				
Tribal Land Code:						
Tribal Land Name:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Latitude: Longitude: Coord Collection Method: Accuracy Value: Datum: NAD83 Reference Point: Interest Types: STATE MASTER Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066228889						

2	3 of 5	-	0.00 / 0.00	2,258.06	FORMER LOCKHEED PROPULSION CO.NA BEAUMONT 1 TEST FACILITIES 17255 HIGHLAND SPRINGS BEAUMONT CA 92223	FINDS/FRS
Registry ID: 110066634672 FIPS Code: Program Acronyms: CA-ENVIROVIEW HUC Code: 18070203 Site Type Name: STATIONARY EPA Region Code: 09 Conveyor: FRS-GEOCODE County Name: RIVERSIDE COUNTY Source: SIC Codes: 4959 SIC Code Descriptions: SANITARY SERVICES, NOT ELSEWHERE CLASSIFIED Federal Facility Code: NAICS Codes: NAICS Code Descriptions: Federal Agency Name: US/Mexico Border Ind: Congressional Dist No: 41 Census Block Code: 060650438221084 Create Date: 14-OCT-2015 12:28:51 Update Date: Location Description: Supplemental Location: 17255 HIGHLAND SPRINGS Tribal Land Code: Tribal Land Name: Latitude: 33.93765 Longitude: -116.99517 Coord Collection Method: ADDRESS MATCHING-BLOCK FACE Accuracy Value: 500 Datum: NAD83 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Interest Types: STATE MASTER Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066634672						

2	4 of 5	-	0.00 / 0.00	2,258.06	LOCKHEED MARTIN CORP 17255 HIGHLAND SPRINGS RD BEAUMONT CA 92223	FINDS/FRS
Registry ID: 110006482680 FIPS Code: 06065 Program Acronyms: BR, HWTS-DATAMART, RCRAINFO HUC Code: Site Type Name: STATIONARY EPA Region Code: 09 Conveyor: County Name: RIVERSIDE Source: SIC Codes: SIC Code Descriptions: Federal Facility Code:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
NAICS Codes:						
NAICS Code Descriptions:						
Federal Agency Name:						
US/Mexico Border Ind:						
Congressional Dist No:						
Census Block Code:						
Create Date:				01-MAR-2000 00:00:00		
Update Date:				26-JAN-2012 13:16:18		
Location Description:						
Supplemental Location:				17255 HIGHLAND SPRINGS RD		
Tribal Land Code:				Yes		
Tribal Land Name:				MORONGO BAND OF CAHUILLA MISSION INDIANS OF THE MORONGO RESERVATION, CALIFORNIA		
Latitude:						
Longitude:						
Coord Collection Method:						
Accuracy Value:						
Datum:				NAD83		
Reference Point:						
Interest Types:				HAZARDOUS WASTE BIENNIAL REPORTER, SQG, STATE MASTER		
Facility Detail Rprt URL:				http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110006482680		

2	5 of 5	-	0.00 / 0.00	2,258.06	BEAUMONT POTRERO CREEK SITE 17255 HIGHLAND SPRINGS RD. BEAUMONT CA 92220	RCRA SQG
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EPA Handler ID: CAD983613753
Current Site Name: BEAUMONT POTRERO CREEK SITE
Generator Status Universe: Small Quantity Generator
Land Type: State
Activity Location: CA
TSD Activity: No
Mixed Waste Generator: No
Importer Activity: No
Transporter Activity: No
Transfer Facility: No
Recycler Activity: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Inject Activity: No
Rece Waste From Off Site: No
Used Oil Transporter:
Used Oil Transfer Facility:
Used Oil Processor:
Used Oil Refiner:
Used Oil Burner:
Used Oil Market Burner:
Used Oil Spec Marketer:
Mailing Address: 2550 N. HOLLYWOOD WAY, SUITE 301, BURBANK, CA, 91505, US
Contact Name: GENE S MATSUSHITA
Contact Address:
Contact Email: GENE.S.MATSUSHITA@LMCO.COM
Location Street 2:

Owner/Operator Information

Owner/Operator Indicator: CO
Owner/Operator Name: STATE DEPT. OF FISH & GAME
Owner/Operator Address: 1416 NINTH STREET SACRAMENTO CA US 95814
Owner/Operator Phone:
Owner/Operator Type: S
Date Became Current: 20031231
Date Ended Current:
Owner/Operator Indicator: CP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Owner/Operator Name:		LOCKHEED MARTIN CORPORATION				
Owner/Operator Address:		US				
Owner/Operator Phone:						
Owner/Operator Type:		P				
Date Became Current:		19620404				
Date Ended Current:						
Owner/Operator Indicator:		CO				
Owner/Operator Name:		LOCKHEED MARTIN CORP				
Owner/Operator Address:		2550 N HOLLYWOOD WY STE 506 BURBANK CA 91505				
Owner/Operator Phone:		8188476927				
Owner/Operator Type:		P				
Date Became Current:						
Date Ended Current:						
NAICS Information						
Naics Code:		56291				
Naics Description:		REMIEDIATION SERVICES				
Handler Information						
Date Received:		20040226				
Facility Name:		BEAUMONT POTRERO CREEK SITE				
Classification:		Small Quantity Generator				
Date Received:		19960901				
Facility Name:		LOCKHEED MARTIN CORP				
Classification:		Small Quantity Generator				
Date Received:		19950425				
Facility Name:		LOCKHEED MARTIN CORP				
Classification:		Large Quantity Generator				
Date Received:		20040226				
Facility Name:		BEAUMONT POTRERO CREEK SITE				
Classification:		Large Quantity Generator				
Hazardous Waste Information						
Waste Code:		D008				
Waste:		LEAD				
Waste Code:		D001				
Waste:		IGNITABLE WASTE				
Violation/Evaluation Information						

3

1 of 1

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0.00 / 0.00

2,157.62

LOCKHEED PROPULSION-
BEAUMONT NO. 1
HIGHLAND SPRINGS ROAD
BEAUMONT CA 92223

RESPONSE

ESTOR EPA ID: 33370039
Cleanup Status: ACTIVE AS OF 5/13/2008
Site Type: STATE RESPONSE OR NPL
Site Code: 400200
National Priorities List: NO
Acres: 9100 ACRES
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD
Special Program:
Funding: RESPONSIBLE PARTY
Assembly District: 42
Senate District: 23
County: RIVERSIDE
APN: NONE SPECIFIED

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Past Use that Caused Contm:					AEROSPACE ROCKET TESTING/LAUNCH, FIRING RANGE - ARTILLERY, FIRING RANGE - SMALL ARMS ETC..., MANUFACTURING - CHEMICALS	
Potential Media Affected:					OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SEDIMENTS, SOIL, SURFACE WATER AFFECTED	

POTENTIAL CONTM CONC:

PERCHLORATE
POLYCHLORINATED BIPHENYLS (PCBS)
1,1,1-TRICHLOROETHANE (TCA)
TRICHLOROETHYLENE (TCE)
1,4-DIOXANE

SITE HISTORY:

Historically, the predominant activity at this site was ranching. In the 1950's, the Grand Central Rocket Company purchased the land and began a remote testing facility for space and defense programs. The Lockheed Propulsion Company purchased the property in 1960, and began operations at the testing facility in 1963. The Beaumont facility is comprised of 2 sites. Site #1 consists of approximately 9,100 acres and is the area where the majority of the testing activities were conducted. Site #2, consisting of 2,500 acres, is located approximately 5 miles from Site #1. The 2 sites were used for the processing, testing, and disposal of solid rocket propellant, among other products, in the 1960's, and early 1970's. Operations at the facility ceased in 1974. Between 1974 and 1986, portions of the overall site were used for sheep ranching and training of heavy equipment operators. These practices were ceased when the potential for contamination was discovered. Hazardous substances that were stored and/or released on-site during Lockheed's operation include: solvents, purgeable organics, trichloroethylene (TCE), 1,1-dichloroethylene (1,1-DCE), 1, 1-dichloroethane (1,1-DCA), 1,1,1-trichloroethane (1,1,1-TCA), and beryllium. An initial sampling program conducted by Radian in 1986, confirmed the presence of solvents used to clean and remove grease from metals in the upper groundwater aquifer. The solvents include dichloroethylene (DCE), dichloroethane (DCA), trichloroethane (TCA), TCE, 1,2-DCA, and 1,2-DCE. This relatively small reservoir of groundwater, which is used only for dust control and fire protection is thought to be separated from the deeper aquifer by a layer of rock, so it is unlikely that the chemicals have entered the deeper aquifer. A Consent Order was signed in June 1989. A Preliminary Assessment/Site Inspection and limited remedial investigation were then conducted at the site. After careful consideration, it was agreed by both Lockheed and the Department to split the facility into 2 separate sites. A revised Consent Order was fully executed in 1991, reflecting the split of the site. In September 1989, Radian staff collected samples from the burn pits, landfill, and area of the onetime burial of low-level radioactive waste. Laboratory analysis of the sample from the burial area found very low, nonhazardous levels of 2 radioactive materials, carbon 14 and tritium. The levels found did not exceed background levels. Sulfur-35, a third compound suspected to be present, was not detected because of its short detectable lifespan. Principal areas of concern at Site #1 are a series of pits where various wastes were burned and a permitted sanitary landfill. Routes of exposure are through inhalation from soil vapors and through consumption of groundwater. Both are very unlikely because the site is located in a very remote area. The only possible receptor at this time is the Oncot (kangaroo rat) which is an endangered species. The site is currently vacant and all but 565 acres of it are now owned by the State of California and administered by the California Department of Fish and Wildlife.

In 2002, Perchlorate and 1,4-Dioxane were identified as potential chemicals of concern in GW. Appropriate treatment technologies are being identified to remediate both chemicals. Site was DE-Certified in 2003 due to the presence of perchlorate and 1,4-dioxane. In December 2009, the Operations and Maintenance (O&M) Agreement and Financial Assurance (FA) were terminated. Once the new remedies are in place, operating as designed, and Certified, DTSC and Lockheed Martin Corporation (LMC) will enter into a new O&M Agreement, determine the amount of Financial Assurance that will be necessary, and ensure that LMC furnishes said FA.

Facility Information

Program Type: STATE RESPONSE
Status: ACTIVE
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=33370039

Completed Activities

Document URL: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60381908
Area Name:
Sub Area:
Document Type: 2014 Annual Munitions and Explosives of Concern Inspection Report
Date Completed: 11/7/2014
Activity Type: Completed Activities
Comments: Completed.

Document URL: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&enforcement_id=60276840

Area Name:
Sub Area:
Document Type: CEQA - Initial Study/ Environmental Impact Report
Date Completed: 10/22/2014
Activity Type: Completed Activities
Comments: Completed

Document URL: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&enforcement_id=60276840

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Date Completed:			3/5/2013			
Activity Type:			Completed Activities			
Comments:			Completed			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60294034			
Area Name:						
Sub Area:						
Document Type:			Technical Report			
Date Completed:			1/9/2013			
Activity Type:			Completed Activities			
Comments:			Completed. (They had made the agreed upon changes to the FS so we will just close this document out).			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60311662			
Area Name:						
Sub Area:						
Document Type:			Monitoring Report			
Date Completed:			12/6/2012			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60282443			
Area Name:						
Sub Area:						
Document Type:			Risk Assessment Report			
Date Completed:			7/30/2012			
Activity Type:			Completed Activities			
Comments:			approved			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60286074			
Area Name:						
Sub Area:						
Document Type:			Technical Report			
Date Completed:			7/11/2012			
Activity Type:			Completed Activities			
Comments:			Completed			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60290607			
Area Name:						
Sub Area:						
Document Type:			Risk Assessment Report			
Date Completed:			6/4/2012			
Activity Type:			Completed Activities			
Comments:			Completed			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60286097			
Area Name:						
Sub Area:						
Document Type:			Technical Report			
Date Completed:			5/10/2012			
Activity Type:			Completed Activities			
Comments:			Approved.			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60295707			
Area Name:						
Sub Area:						
Document Type:			Monitoring Report			
Date Completed:			4/22/2012			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60282466			
Area Name:						
Sub Area:						
Document Type:			Monitoring Report			
Date Completed:			12/8/2011			
Activity Type:			Completed Activities			
Comments:			Approved			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Document URL:						
Area Name:						
Sub Area:						
Document Type: Fieldwork						
Date Completed: 11/22/2011						
Activity Type: Completed Activities						
Comments: Completed						
Document URL: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60274417						
Area Name:						
Sub Area:						
Document Type: Pilot Study/Treatability Workplan						
Date Completed: 9/9/2011						
Activity Type: Completed Activities						
Comments: Approved						
Document URL: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60269438						
Area Name:						
Sub Area:						
Document Type: Technical Workplan						
Date Completed: 9/7/2011						
Activity Type: Completed Activities						
Comments: Approved						
Document URL: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60256843						
Area Name:						
Sub Area:						
Document Type: Technical Workplan						
Date Completed: 8/9/2011						
Activity Type: Completed Activities						
Comments: Approved						
Document URL: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60263010						
Area Name:						
Sub Area:						
Document Type: Treatability Study Workplan						
Date Completed: 6/28/2011						
Activity Type: Completed Activities						
Comments: Approved						
Document URL: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60266914						
Area Name:						
Sub Area:						
Document Type: Monitoring Report						
Date Completed: 6/14/2011						
Activity Type: Completed Activities						
Comments: Approved						
Document URL: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60266303						
Area Name:						
Sub Area:						
Document Type: Letter Work Plan Documenting the Implementation of Select Elements of the Site 1 Munitions of Concern Draft Remedial Action Plan						
Date Completed: 4/26/2011						
Activity Type: Completed Activities						
Comments: Completed.						
Document URL: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60252342						
Area Name:						
Sub Area:						
Document Type: Technical Workplan						
Date Completed: 4/26/2011						
Activity Type: Completed Activities						
Comments: approved						
Document URL: http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60259407						
Area Name:						
Sub Area:						

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev (ft)</i>	<i>Site</i>	<i>DB</i>
Document Type:					Pilot Study/Treatability Workplan	
Date Completed:					4/11/2011	
Activity Type:					Completed Activities	
Comments:					Conditionally approved.	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60194421	
Area Name:						
Sub Area:						
Document Type:					Technical Workplan	
Date Completed:					3/24/2011	
Activity Type:					Completed Activities	
Comments:					Conditionally approved.	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60260853	
Area Name:						
Sub Area:						
Document Type:					Site 1 Toxicity Reference Values	
Date Completed:					3/23/2011	
Activity Type:					Completed Activities	
Comments:					Approved	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60263005	
Area Name:						
Sub Area:						
Document Type:					Technical Report	
Date Completed:					3/23/2011	
Activity Type:					Completed Activities	
Comments:					Approved.	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60257667	
Area Name:						
Sub Area:						
Document Type:					Monitoring Report	
Date Completed:					2/14/2011	
Activity Type:					Completed Activities	
Comments:					Approved.	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60256915	
Area Name:						
Sub Area:						
Document Type:					Remedial Action Plan	
Date Completed:					6/28/2016	
Activity Type:					Completed Activities	
Comments:					Approved	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&enforcement_id=60379426	
Area Name:						
Sub Area:						
Document Type:					CEQA - Initial Study/ Environmental Impact Report	
Date Completed:					6/27/2016	
Activity Type:					Completed Activities	
Comments:						
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60406302	
Area Name:						
Sub Area:						
Document Type:					Technical Workplan	
Date Completed:					4/21/2016	
Activity Type:					Completed Activities	
Comments:					Approved	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60379567	
Area Name:						
Sub Area:						
Document Type:					Monitoring Report	
Date Completed:					12/17/2015	
Activity Type:					Completed Activities	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Comments:		Approved				
Document URL:		http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60403920				
Area Name:						
Sub Area:						
Document Type:		Long Term Monitoring Report				
Date Completed:		12/17/2015				
Activity Type:		Completed Activities				
Comments:		Approved				
Document URL:		http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&enforcement_id=60402991				
Area Name:						
Sub Area:						
Document Type:		Annual Oversight Cost Estimate				
Date Completed:		12/8/2015				
Activity Type:		Completed Activities				
Comments:		Completed				
Document URL:		http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60400844				
Area Name:						
Sub Area:						
Document Type:		Fact Sheets				
Date Completed:		9/30/2015				
Activity Type:		Completed Activities				
Comments:		Completed				
Document URL:		http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60334620				
Area Name:						
Sub Area:						
Document Type:		Public Notice				
Date Completed:		9/30/2015				
Activity Type:		Completed Activities				
Comments:		Completed				
Document URL:		http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60334610				
Area Name:						
Sub Area:						
Document Type:		Public Participation Plan / Community Relations Plan				
Date Completed:		8/17/2015				
Activity Type:		Completed Activities				
Comments:		Approved				
Document URL:		http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60391822				
Area Name:						
Sub Area:						
Document Type:		Monitoring Report				
Date Completed:		6/11/2015				
Activity Type:		Completed Activities				
Comments:		Approved				
Document URL:		http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&enforcement_id=60391827				
Area Name:						
Sub Area:						
Document Type:		Correspondence				
Date Completed:		5/6/2015				
Activity Type:		Completed Activities				
Comments:		Completed				
Document URL:		http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60378177				
Area Name:						
Sub Area:						
Document Type:		Monitoring Report				
Date Completed:		1/21/2015				
Activity Type:		Completed Activities				
Comments:		Approved				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60252262	
Area Name:						
Sub Area:						
Document Type:			Proposed Plan			
Date Completed:			12/21/2010			
Activity Type:			Completed Activities			
Comments:			Completed. We decided to have one stand alone RAP for all COCs and MECs instead of RAPs for each area and COC. Therefore, this is finished and will be included in the draft RAP for the entire site.			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60190624	
Area Name:						
Sub Area:						
Document Type:			Remedial Investigation / Feasibility Study			
Date Completed:			12/21/2010			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60252471	
Area Name:						
Sub Area:						
Document Type:			*Correspondence - Received			
Date Completed:			12/9/2010			
Activity Type:			Completed Activities			
Comments:			Completed			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60198701	
Area Name:						
Sub Area:						
Document Type:			Well Completion Report			
Date Completed:			11/15/2010			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60198703	
Area Name:						
Sub Area:						
Document Type:			Monitoring Report			
Date Completed:			10/19/2010			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60190621	
Area Name:						
Sub Area:						
Document Type:			Monitoring Plan			
Date Completed:			9/29/2010			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60255691	
Area Name:						
Sub Area:						
Document Type:			Technical Workplan			
Date Completed:			9/29/2010			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60190625	
Area Name:						
Sub Area:						
Document Type:			Well Completion Report			
Date Completed:			8/24/2010			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60253144	
Area Name:						
Sub Area:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Document Type:					Treatability Study Workplan	
Date Completed:					8/24/2010	
Activity Type:					Completed Activities	
Comments:					Approved.	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60196481	
Area Name:						
Sub Area:						
Document Type:					Technical Report	
Date Completed:					7/12/2010	
Activity Type:					Completed Activities	
Comments:					Approved	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6028499	
Area Name:						
Sub Area:						
Document Type:					Risk Assessment Report	
Date Completed:					6/15/2010	
Activity Type:					Completed Activities	
Comments:					Approved	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60190305	
Area Name:						
Sub Area:						
Document Type:					Risk Assessment Report	
Date Completed:					6/15/2010	
Activity Type:					Completed Activities	
Comments:					Approved	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60190601	
Area Name:						
Sub Area:						
Document Type:					Monitoring Report	
Date Completed:					3/29/2010	
Activity Type:					Completed Activities	
Comments:					Approved	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6027147	
Area Name:						
Sub Area:						
Document Type:					Pilot/Treatability Study Report	
Date Completed:					3/1/2010	
Activity Type:					Completed Activities	
Comments:					Approved	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6027093	
Area Name:						
Sub Area:						
Document Type:					Technical Report	
Date Completed:					3/1/2010	
Activity Type:					Completed Activities	
Comments:					Approved	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6029456	
Area Name:						
Sub Area:						
Document Type:					Pilot Study/Treatability Workplan	
Date Completed:					2/17/2010	
Activity Type:					Completed Activities	
Comments:					Approved	
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6029457	
Area Name:						
Sub Area:						
Document Type:					Pilot Study/Treatability Workplan	
Date Completed:					2/17/2010	
Activity Type:					Completed Activities	
Comments:					Approved	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6028498	
Area Name:						
Sub Area:						
Document Type:			Well Installation Workplan			
Date Completed:			11/25/2009			
Activity Type:			Completed Activities			
Comments:			Approved.			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6024135	
Area Name:						
Sub Area:						
Document Type:			Technical Report			
Date Completed:			10/5/2009			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6027089	
Area Name:						
Sub Area:						
Document Type:			Monitoring Report			
Date Completed:			8/19/2009			
Activity Type:			Completed Activities			
Comments:						
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6019390	
Area Name:						
Sub Area:						
Document Type:			Risk Assessment Workplan			
Date Completed:			8/19/2009			
Activity Type:			Completed Activities			
Comments:						
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6023045	
Area Name:						
Sub Area:						
Document Type:			Site Characterization Report			
Date Completed:			8/19/2009			
Activity Type:			Completed Activities			
Comments:						
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6023331	
Area Name:						
Sub Area:						
Document Type:			Characterization Report, Feature F-33, Former Large Motor Washout Area			
Date Completed:			8/17/2009			
Activity Type:			Completed Activities			
Comments:			Approved.			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6020319	
Area Name:						
Sub Area:						
Document Type:			Pilot Study/Treatability Workplan			
Date Completed:			5/6/2009			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6022773	
Area Name:						
Sub Area:						
Document Type:			Monitoring Report			
Date Completed:			4/15/2009			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:					http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6020324	
Area Name:						
Sub Area:						

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev (ft)</i>	<i>Site</i>	<i>DB</i>
Document Type:			Monitoring Report			
Date Completed:			4/15/2009			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6019392			
Area Name:						
Sub Area:						
Document Type:			Supplemental Site Investigation Report			
Date Completed:			3/18/2009			
Activity Type:			Completed Activities			
Comments:			Approved with the condition that they send a revised copy with corrected cross-sections.			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6019388			
Area Name:						
Sub Area:						
Document Type:			Removal Action Completion Report			
Date Completed:			1/5/2009			
Activity Type:			Completed Activities			
Comments:			Approved			
Document URL:						
Area Name:						
Sub Area:						
Document Type:			Remedial Investigation Workplan			
Date Completed:			8/5/2008			
Activity Type:			Completed Activities			
Comments:			We approved the Work Plan, but instructed them to revise some of the figures and scales and have not received the revised document yet.			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=6019384			
Area Name:						
Sub Area:						
Document Type:			Technical Workplan			
Date Completed:			7/1/2008			
Activity Type:			Completed Activities			
Comments:			Conditionally approved due to some minor changes requested by GSU. The changes did not pertain to the procedures of the investigation and therefore the work was approved with the caveat that they submit a revised work plan with the changes requested.			
Document URL:						
Area Name:						
Sub Area:						
Document Type:			Monitoring Report			
Date Completed:			6/5/2008			
Activity Type:			Completed Activities			
Comments:			Approved.			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&enforcement_id=6011859			
Area Name:						
Sub Area:						
Document Type:			De-Certification			
Date Completed:			11/8/2007			
Activity Type:			Completed Activities			
Comments:			Re-Investigation of Soil & Groundwater required.			
Document URL:						
Area Name:						
Sub Area:						
Document Type:			Monitoring Report			
Date Completed:			9/4/2007			
Activity Type:			Completed Activities			
Comments:			Report was approved.			
Document URL:						
Area Name:						
Sub Area:						

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev (ft)</i>	<i>Site</i>	<i>DB</i>
Document Type:			Correspondence			
Date Completed:			8/28/2007			
Activity Type:			Completed Activities			
Comments:			Consulted with OLC regarding request from Lockheed that DTSC set up a meeting with their former tenants that tested munitions there.			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&enforcement_id=5006332			
Area Name:						
Sub Area:						
Document Type:			Certification			
Date Completed:			6/29/1994			
Activity Type:			Completed Activities			
Comments:						
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&enforcement_id=5006333			
Area Name:						
Sub Area:						
Document Type:			Operation & Maintenance Order/Agreement			
Date Completed:			6/28/1994			
Activity Type:			Completed Activities			
Comments:						
Document URL:						
Area Name:						
Sub Area:						
Document Type:			* Final Remedial Action			
Date Completed:			6/20/1994			
Activity Type:			Completed Activities			
Comments:						
Document URL:						
Area Name:						
Sub Area:						
Document Type:			* Remedial or Removal Design			
Date Completed:			3/29/1993			
Activity Type:			Completed Activities			
Comments:						
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=5006336			
Area Name:						
Sub Area:						
Document Type:			Removal Action Completion Report			
Date Completed:			2/25/1993			
Activity Type:			Completed Activities			
Comments:						
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=5006337			
Area Name:						
Sub Area:						
Document Type:			Remedial Action Plan			
Date Completed:			9/30/1992			
Activity Type:			Completed Activities			
Comments:						
Document URL:						
Area Name:						
Sub Area:						
Document Type:			* Remedial or Removal Design			
Date Completed:			9/24/1992			
Activity Type:			Completed Activities			
Comments:						
Document URL:						
Area Name:						
Sub Area:						
Document Type:			* CEQA			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Date Completed:			8/31/1992			
Activity Type:			Completed Activities			
Comments:						
Document URL:						
Area Name:						
Sub Area:						
Document Type:			Remedial Investigation / Feasibility Study			
Date Completed:			8/31/1992			
Activity Type:			Completed Activities			
Comments:						
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&enforcement_id=6010760			
Area Name:						
Sub Area:						
Document Type:			Amendment - Order/Agreement			
Date Completed:			1/2/1991			
Activity Type:			Completed Activities			
Comments:			The 1989 Consent Order was amended to bifurcate the Lockheed Propulsion Beaumont Test Facilities into two sites: Lockheed Propulsion - Beaumont No. 1 (ID #33370039)and Lockheed Propulsion - Beaumont No. 2.(ID#33370038).			
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&enforcement_id=5006342			
Area Name:						
Sub Area:						
Document Type:			Unilateral Order (I/SE, RAO, CAO, EPA AO)			
Date Completed:			6/30/1989			
Activity Type:			Completed Activities			
Comments:			ISE			
Document URL:						
Area Name:						
Sub Area:						
Document Type:			* Engineering Evaluation / Cost Analysis			
Date Completed:			6/30/1989			
Activity Type:			Completed Activities			
Comments:			FRIFS: Limited RI/FS work.			
Document URL:						
Area Name:						
Sub Area:						
Document Type:			Public Participation Plan / Community Relations Plan			
Date Completed:			6/30/1989			
Activity Type:			Completed Activities			
Comments:						
Document URL:			http://www.envirostor.dtsc.ca.gov/public/final_documents2.asp?global_id=33370039&doc_id=60256503			
Area Name:						
Sub Area:						
Document Type:			Historical Report for Lockheed Beaumont Site 1			
Date Completed:			9/1/1986			
Activity Type:			Completed Activities			
Comments:			Completed			
Current Activities						
Area Name:						
Sub Area:						
Document Type:			Design/Implementation Workplan			
Due Date:			2/11/2017			
Revised Date:						
Activity Type:			Currently Scheduled Activities Through 6/30/2017			
Area Name:						
Sub Area:						
Document Type:			Remedial Action Completion Report			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Due Date:		8/16/2016				
Revised Date:		11/23/2017				
Activity Type:		Currently Scheduled Activities Through 6/30/2017				
Area Name:						
Sub Area:						
Document Type:		Land Use Restriction				
Due Date:		10/16/2016				
Revised Date:						
Activity Type:		Currently Scheduled Activities Through 6/30/2017				
Future Activities						
NOTE:		THE DUE DATES OF FUTURE ACTIVITIES ARE SUBJECT TO CHANGE BASED ON THE PROGRESS OF CURRENTLY SCHEDULED ACTIVITIES				
Area Name:						
Sub Area:						
Document Type:		Remedy Constructed: Operating Properly & Successfully				
Due Date:		2018				
Activity Type:		Future Activities				
Area Name:						
Sub Area:						
Document Type:		Operations and Maintenance Plan				
Due Date:		2018				
Activity Type:		Future Activities				
Area Name:						
Sub Area:						
Document Type:		Certification				
Due Date:		2019				
Activity Type:		Future Activities				
Area Name:						
Sub Area:						
Document Type:		5 Year Review Reports				
Due Date:		2024				
Activity Type:		Future Activities				

<u>4</u>	1 of 2	NW	0.26 / 1,380.33	2,144.89	Lamb Canyon Sanitary Landfill 16411 State Hwy 79 Beaumont CA	SWF/LF
SWIS NO:		33-AA-0007			Operator Phone: 9514863200	
Permit Status:		Permitted			Operator Addr 1:	
Permit Date:		12/10/2009			Operator Addr 2: 14310 Frederick Street	
Landuse Name:		Rural,Open Space - Nonirrigated			Operator City: Moreno Valley	
County:		Riverside			Operator State: CA	
Latitude:		33.88389			Operator Zip: 92553	
Longitude:		-116.99722			Operator: County Of Riverside Waste Mgmt Dept	
GIS Source:		Map				
Owner						
Owner:		County Of Riverside Waste Mgmt Dept				
Phone:		9514863200				
Address1:						
Address2:		14310 Frederick Street				
City:		Moreno Valley				
State:		CA				
Zip:		92553				
Unit						
Category:		Disposal				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Unit No.: Activity: Regulatory Status: Operational Status: Inspection Frequency: Accepted Waste: Program Type: Closure Date: Closure Type: Thorough Put: Thorough Put Units: Capacity: Capacity Units: Acreage: Disposal Acreage: Remaining Capacity: WDRNO:		01 Solid Waste Landfill Permitted Active Monthly Agricultural,Ash,Construction/demolition,Contaminated soil,Dead Animals,Green Materials,Industrial,Inert,Metals,Mixed municipal,Tires BOE Reporting Disposal Facility,Composite_Lined_LF_Cell(s),Financial Assurance Responsibilities,Remaining Capacity Landfill 4/30/2021 Estimated 5000 Tons/day 33041000 Cubic Yards 580.50 144.60 18955000 III				

[4](#) 2 of 2 NW 0.26 / 1,380.33 2,144.89 **Lamb Canyon Research Composting**
 16411 State Highway 79
 Beaumont CA SWF/LF

SWIS NO: Permit Status: Permit Date: Landuse Name: County: Latitude: Longitude: GIS Source:	33-AA-0357 Notification 12/24/2015 Riverside 33.88603 -116.99744 Map	Operator Phone: Operator Addr 1: Operator Addr 2: Operator City: Operator State: Operator Zip: Operator:	9514863200 14310 Frederick St. Moreno Valley CA 92553 Riverside County Dept. of Waste Resource
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Owner

Owner: Riverside County Dept. of Waste Resource
Phone: 9514863200
Address1:
Address2: 14310 Frederick St.
City: Moreno Valley
State: CA
Zip: 92553

Unit

Category: Composting
Unit No.: 01
Activity: Composting Operation (Research)
Regulatory Status: Notification
Operational Status: Active
Inspection Frequency: Quarterly
Accepted Waste: Food Wastes,Green Materials,Manure,Wood waste
Program Type:
Closure Date:
Closure Type:
Thorough Put: 1000
Thorough Put Units: Cubic Yards
Capacity: 10000
Capacity Units: Cu Yards/year
Acreage: 1.80
Disposal Acreage:
Remaining Capacity:
WDRNO:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
5	1 of 1	SSW	0.03 / 180.25	1,619.74	20040 CRESTVIEW DR SAN JACINTO CA 92383	CDL
Clue:	2000-01-044			Date:	1/10/2000	
Lab Type:	L			County:	RIVERSIDE	
Lab Type Description:	Illegal Drug Lab - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.					

6	1 of 1	WSW	0.07 / 354.40	1,535.77	GOLDEN ERA PRODUCTIONS 19625 HWY 79 (LAMB CANYON RD) Gilman Hot Springs CA 92583	UST
Facility ID:	370			Latitude:	33.8441	
County:	Riverside			Longitude:	-116.99848	
Permitting Agency:	RIVERSIDE COUNTY					

7	1 of 1	SW	0.25 / 1,301.73	1,483.20	GOLDEN ERA PRODUCTIONS 19625 GILMAN SPRINGS ROAD SAN JACINTO CA	RIVERSIDE LOP
Site ID:	200723789					
Status Code:	9					
Status Desc:	CLOSED/ACTION COMPLETED					
Case Type Code:	A					
Case Type Desc:	AN AQUIFER USED FOR DRINKING WATER SUPPLY HAS BEEN CONTAMINATED					
Closed Code:	Y					
Closed Desc:	CLOSED SITE					
Employee:	Shurlow-LOP					

8	1 of 1	SW	0.25 / 1,338.54	1,475.03	GOLDEN ERA PRODUCTIONS 19625 GILMAN SPRINGS ROAD SAN JACINTO CA 92583	LUST
Global ID:	T0606556594					
Case Type:	LUST Cleanup Site					
Status:	Completed - Case Closed					
Status Date:	2012-06-21 00:00:00					
RB Case Number:						
LOC Case Number:	200723789					
CUF Case:	YES					
Potential Cntm of Concrn:	Waste Oil / Motor / Hydraulic / Lubricating					
Potential Media Affected:	Aquifer used for drinking water supply					
County:	Riverside					
Latitude:	33.8345203481921					
Longitude:	-116.99014293248					
Lead Agency:	RIVERSIDE COUNTY LOP					
Case Worker:	LS					
Local Agency:	RIVERSIDE COUNTY LOP					
File Location:	Local Agency					
Site History:	On October 31, 2007, a 500-gallon waste oil UST was removed from the maintenance area of the Golden Era Productions facility. The water table was measured at 8' bgs. 0.23 ppm Toluene, 0.16 ppm Ethylbenzene, 0.37 ppm xylenes were detected in the soil sample taken under the water table. The site is located ~1000' from the San Jacinto River and has its own water system with several wells. Six geoprobe borings were advanced to approximately 15 feet bgs on May 12, 2008. Groundwater was encountered at 12 to 13 feet bgs. 3 soil and 1 g.w. samples were taken from each boring. No detectable levels of gasoline were found in the soil or groundwater; however, diesel was identified in one soil sample up to 76 ppm and four groundwater samples up to 2400 ppb. TRPH was detected in all the soil samples ranging from 29 ppm to 110 ppm and up to 1300 ppb in the groundwater. Seven boring were drilled to 23' February 11 and 12, 2009 and three were converted to monitoring wells. Groundwater was encountered at 11-13'. Grab water samples were taken from the borings not converted to monitoring wells. The monitoring wells were sampled March 2, 2009. No TPHg, TPHd, TRPH, BTEX, oxygenates or VOCs were detected in the soil or groundwater. The three groundwater monitoring wells were sampled					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev (ft)</i>	<i>Site</i>	<i>DB</i>
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again August 11, 2009. No TPHg, BTEX, oxygenates or VOCs were detected. Closure was approved pending proper abandonment of the groundwater monitoring wells. The wells were destroyed February 10, 2011 by overdrilling and pressure grouting with bentonite grout. Documentation of the well destruction was received by RCDEH on 6/12/2012. Case closed 6/21/2012. CASE CLOSED

Status History

Status: Open - Case Begin Date
Status Date: 2007-10-31 00:00:00

Status: Open - Site Assessment
Status Date: 2007-11-16 00:00:00

Status: Open - Site Assessment
Status Date: 2008-02-22 00:00:00

Status: Completed - Case Closed
Status Date: 2012-06-21 00:00:00

Activities

Action Type: Other
Date: 2007-10-31 00:00:00
Action: Leak Stopped

Action Type: Other
Date: 2007-11-21 00:00:00
Action: Leak Reported

Action Type: ENFORCEMENT
Date: 2007-11-21 00:00:00
Action: Unauthorized Release Form - #URF

Action Type: Other
Date: 2007-11-21 00:00:00
Action: Leak Discovery

Action Type: ENFORCEMENT
Date: 2007-11-21 00:00:00
Action: Staff Letter - #112107

Action Type: RESPONSE
Date: 2008-01-21 00:00:00
Action: Preliminary Site Assessment Workplan

Action Type: ENFORCEMENT
Date: 2008-02-22 00:00:00
Action: Staff Letter - #022208

Action Type: ENFORCEMENT
Date: 2008-08-21 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date: 2008-11-17 00:00:00
Action: Staff Letter - #RCDEH111708

Action Type: RESPONSE
Date: 2009-02-06 00:00:00
Action: Well Installation Report

Action Type: ENFORCEMENT
Date: 2009-08-05 00:00:00
Action: Staff Letter - #Riv Co 080509

Action Type: RESPONSE
Date: 2009-10-15 00:00:00
Action: Monitoring Report - Quarterly

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
Action Type:			ENFORCEMENT			
Date:			2010-12-01 00:00:00			
Action:			Staff Letter - #RCDEH 120110			
Action Type:			RESPONSE			
Date:			2011-02-10 00:00:00			
Action:			Well Destruction Report			
Action Type:			ENFORCEMENT			
Date:			2011-11-21 00:00:00			
Action:			Staff Letter - #RCDEH 112111			
Action Type:			RESPONSE			
Date:			2012-01-28 00:00:00			
Action:			Well Destruction Report - Regulator Responded			
Action Type:			ENFORCEMENT			
Date:			2012-06-20 00:00:00			
Action:			File review - #RCDEH Site File			
Action Type:			ENFORCEMENT			
Date:			2012-06-21 00:00:00			
Action:			Closure/No Further Action Letter - #RCDEH Closure Docs			
Contact Information						
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			
Contact Type:			Local Agency Caseworker			
Contact Name:			LINDA SHURLOW			
Organization Name:			RIVERSIDE COUNTY LOP			
Address:			47950 Arabia Street, Suite A			
City:			Indio			
Email:			lshurlow@rivcocha.org			
Phone Number:			7608637570			

Unplottable Summary

Total: 22 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CERCLIS	LOCKHEED CORP AIRCRAFT LDFL	HIGHLAND SPRINGS RD	BEAUMONT CA	92223	805415735
CERCLIS NFRAP	LOCKHEED CORP AIRCRAFT LDFL	HIGHLAND SPRINGS RD	BEAUMONT CA	92223	805490431
CHMIRS	NRC	17255 S. Highland Springs Rd (5 miles from the City - San Jacinto Nuevo Y Potrer ro in dry creek bed called Bed Springs Creek).	Beaumont CA		821886494
CHMIRS	Inyo CHP	Eastbound I-10 just west of Highland Springs	Beaumont CA		821841330
CHMIRS	CHP- Indio	EB I10 at Beaumont Ave	Beaumont CA		821876975
CHMIRS	City of Beaumont	manhole, 75 feet north of I-10 on Highland Springs	Beaumont CA	92223	821830109
CHMIRS	riverside co. fd	eastbound I-10 across of Beaumont ave.	beaumont CA	92223	821851700
FINDS/FRS	SOUTHERN CALIFORNIA EDISON - DETENTION POINT COMMUNICATION SITE	9.1 MI. NE OF BEAUMONT	BEAUMONT CA	92223	815272173
FINDS/FRS	SCE DETENTION POINT COMMUNICATION SITE	9.1 MI. NE OF BEAUMONT	BEAUMONT CA	92223	840141026
FINDS/FRS	CAL TRANS	BEAUMONT AVE & I-10	BEAUMONT CA	92223	840132742
FINDS/FRS	STPNA HOVCHILD	HIGHLAND SPRINGS	BEAUMONT CA	92223	840213498

FINDS/FRS	LOCKHEED PROPULSION- BEAUMONT NO. 1	HIGHLAND SPRINGS ROAD	BEAUMONT CA	92223	815277459
HAZNET	1X LOCKHEED CORPORTATION	SOUTH HIGHLAND SPRINGS ROAD	BEAUMONT CA	922200000	826190868
HAZNET	LOCKHEED MARTIN CORPORATION	17255 S HIGHLAND SPRINGS RD	BEAUMONT CA	922200000	826731954
HAZNET	LOCKHEED BEAUMONT	17255 S HIGHLAND SPRINGS RD	BEAUMONT CA	922200000	826372305
HAZNET	1X BEAUMONT UNIF SCHOOL DISTRICT	BEAUMONT HIGH SCHOOL	BEAUMONT CA	922230000	826492226
HIST CHMIRS	J. W. MC CURDY	E.B. I-10 X OF BEAUMONT AVENUE	BEAUMONT CA		826019740
RCRA NON GEN	FOUR COR PIPELINE CO BEAUMONT	7 MI S OF BEAUMONT	BEAUMONT CA	92223	810340519
RIVERSIDE LOP	Superior Ready Mix	24161 State St	San Jacinto CA		820083590
RIVERSIDE LOP	Cal Trans	00 Beaumont Ave & I-10	Beaumont CA		820083985
SEMS ARCHIVE	LOCKHEED CORP AIRCRAFT LDFL	HIGHLAND SPRINGS RD	BEAUMONT CA	92223	828870298
SWAT	RIVERSIDE COUNTY- LAMB CANYON LANDFILL	LAMB CANYON RD. 3M. S. OF BEAUMONT BEAUMONT, CA 92223	CA		822570679

Unplottable Report

Site: LOCKHEED CORP AIRCRAFT LDFL
HIGHLAND SPRINGS RD BEAUMONT CA 92223

CERCLIS

Site ID: 0902198
Site EPA ID: CAD980887392
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information
Federal Facility: Not a Federal Facility
Site Cnty Name: RIVERSIDE

CERCLIS Assess History

--
Date Started: --
Date Completed: --
Site Description: No description available

CERCLIS Assess History

--
Action: DISCOVERY
Date Started: --
Date Completed: 9/1/1985 00:00:00
Site Description: --

CERCLIS Assess History

--
Action: PRELIMINARY ASSESSMENT
Date Started: 8/1/1985 00:00:00
Date Completed: 2/1/1986 00:00:00
Site Description: --

CERCLIS Assess History

--
Action: SITE INSPECTION
Date Started: --
Date Completed: 7/1/1987 00:00:00
Site Description: --

CERCLIS Assess History

--
Action: SITE INSPECTION
Date Started: --
Date Completed: 11/13/1989 00:00:00
Site Description: --

CERCLIS Assess History

--
Action: ARCHIVE SITE
Date Started: --
Date Completed: 11/13/1989 00:00:00
Site Description: --

Site: LOCKHEED CORP AIRCRAFT LDFL
HIGHLAND SPRINGS RD BEAUMONT CA 92223

CERCLIS NFRAP

Site ID: 902198
Site EPA ID: CAD980887392
Site Fips Code: 6065
Federal Facility:

Site Parent ID:
Parent Site Name:
Site Cngrsnl District Code: 37
Region Code: 9
State Code: CA
Site Cnty Name: RIVERSIDE

CERCLIS-NFRAP Assess History

--
Action: DISCOVERY
Priority Level:
Date Started:
Date Completed: 9/1/1985
--

CERCLIS-NFRAP Assess History

--
Action: PRELIMINARY ASSESSMENT
Priority Level: Low priority
Date Started: 8/1/1985
Date Completed: 2/1/1986
--

CERCLIS-NFRAP Assess History

--
Action: SITE INSPECTION
Priority Level: Higher priority
Date Started:
Date Completed: 7/1/1987
--

CERCLIS-NFRAP Assess History

--
Action: SITE INSPECTION
Priority Level: NFRAP
Date Started:
Date Completed: 11/13/1989
--

CERCLIS-NFRAP Assess History

--
Action: ARCHIVE SITE
Priority Level:
Date Started:
Date Completed: 11/13/1989
--

Site: NRC
17255 S. Highland Springs Rd (5 miles from the City - San Jacinto Nuevo Y Potrer ro in dry creek bed called Bed Springs Creek). **Beaumont CA**

CHMIRS

Control NO: 05-3626
Notified Date: 6/17/200502:46:30 AM
Year: 2005
Agency: NRC
County: Riverside County

California Hazardous Material Incident Report System

--
Contained: Unknown
Water Involved:
Water Way:
Drinking Water Impacted:
Known Impact:
Incident Date: 4/13/200512:00:00 AM
Incident Time:
Spill Site:
Injuries?:
Injuries Number: 0
Fatals?:
Fatals Number: 0
Evacs?:

Evacs Number: 0
Clean Up: Riverside Co Sheriff
Admin Agency: Riverside County Environmental Health
Site: Other
Cause:
DOG Number:
1 Substance:
1 Quantity:
1 Measure:
1 Type:
1 Other:
1 Pipeline:
1 Vessel >= 300 Tons:
2 Substance:
2 Quantity::
2 Measure:
2 Type:
2 Other:
2 Pipeline:
2 Vessel >= 300 Tons:
3 Substance:
3 Quantity:
3 Measure:
3 Type:
3 Other:
3 Pipeline:
3 Vessel >= 300 Tons:
Barrels: 0
Cups: 0
Cubic Ft: 0
Gallons: 0.000000
Grams: 0
Lbs: 0
Liters: 0
Ozs: 0
Pts: 0
Qts: 0
Sheen: 0
Tons: 0
Unknown: 0
Cause Other:
Notification Area:
Description:

rtridges in place with explosives. On 4/20/05 Lockheed mobilized unexploded ordinance specialists from Tetra Tech to the location of the discovery to survey the area for addtl. munitions. During this survey, additional 20mm cartridges were discovered and it was determined that the cartridges were practice ammunition. The projectile of this practice ammunition does not contain an explosive charge. Therefore, the projectile by itself does not represent any risk. Only the propellant contained in the cartridge represents a risk. If mishandled, the propellant contained within the cartridges could be detonated and explode. The area up and down stream of the discovery location and the area adjacent to the discovery location have been surveyed visually and with magnetometers. All discovered cartridges have been either destroyed in place or secured for later disposal.

Site: Inyo CHP
 Eastbound I-10 just west of Highland Springs Beaumont CA

CHMIRS

Control NO: '10-7444
Notified Date: 12/10/2010 23:52
Year: 2010
Agency: Inyo CHP
County: Riverside County

**California Hazardous Material
 Incident Report System**

--
Contained: Yes
Water Involved: No
Water Way:
Drinking Water Impacted:
Known Impact:
Incident Date: 12/10/2010

Incident Time:	2129
Spill Site:	Road
Injuries?:	Yes
Injuries Number:	2
Fatals?:	No
Fatals Number:	
Evacs?:	No
Evacs Number:	
Clean Up:	CalTrans
Admin Agency:	Riverside County Environmental Health
Site:	
Cause:	Collision
DOG Number:	
1 Substance:	
1 Quantity:	30
1 Measure:	Gal(s)
1 Type:	PETROLEUM
1 Other:	
1 Pipeline:	
1 Vessel >= 300 Tons:	
2 Substance:	
2 Quantity::	
2 Measure:	
2 Type:	
2 Other:	
2 Pipeline:	
2 Vessel >= 300 Tons:	
3 Substance:	
3 Quantity:	
3 Measure:	
3 Type:	
3 Other:	
3 Pipeline:	
3 Vessel >= 300 Tons:	
Barrels:	
Cups:	
Cubic Ft:	
Gallons:	
Grams:	
Lbs:	
Liters:	
Ozs:	
Pts:	
Qts:	
Sheen:	
Tons:	
Unknown:	
Cause Other:	
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS
Description:	
--	--
California OES Update	
--	--
Occurrence Date:	12/10/2010
Occurance Time:	2129
Update Description:	12/11/2010 12:09:40 AM - Spill amount updated to 50 gallons released.
Person Notifying Update Place:	Person Notifying Update
Update Known Impact:	
Update Cause:	
Situation Update:	Spill amount updated to 50 gallons released.
DOC URL:	https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/ee3968fc057416f5882577f6002cd4aa?OpenDocument
--	--
California OES Update Quantities	
--	--
Amount:	50
Measure:	Gal(s)
--	--
Main Page Information	
--	--
Document Title:	Cal OES-Update

Creation Date: 12/11/2010 12:09 AM
Water Type: PETROLEUM
--

Site: **CHP- Indio**
EB I10 at Beaumont Ave Beaumont CA

CHMIRS

Control NO: 99-3866
Notified Date: 9/14/199901:03:15 AM
Year: 1999
Agency: CHP- Indio
County: Riverside County

**California Hazardous Material
Incident Report System**

--
Contained: Yes
Water Involved: No
Water Way:
Drinking Water Impacted:
Known Impact:
Incident Date: 9/14/199912:00:00 AM
Incident Time:
Spill Site:
Injuries?:
Injuries Number: 0
Fatals?:
Fatals Number: 0
Evacs?:
Evacs Number: 0
Clean Up: to be determined
Admin Agency: Riverside County Environmental Health
Site: Road
Cause:
DOG Number:
1 Substance:
1 Quantity:
1 Measure:
1 Type:
1 Other:
1 Pipeline:
1 Vessel >= 300 Tons:
2 Substance:
2 Quantity::
2 Measure:
2 Type:
2 Other:
2 Pipeline:
2 Vessel >= 300 Tons:
3 Substance:
3 Quantity:
3 Measure:
3 Type:
3 Other:
3 Pipeline:
3 Vessel >= 300 Tons:
Barrels: 0
Cups: 0
Cubic Ft: 0
Gallons: 220
Grams: 0
Lbs: 0
Liters: 0
Ozs: 0
Pts: 0
Qts: 0
Sheen: 0
Tons: 0
Unknown: 0
Cause Other:

Notification Area:

Description:

-- --

Site: City of Beaumont
manhole, 75 feet north of I-10 on Highland Springs Beaumont CA 92223

CHMIRS

Control NO: '08-1276
Notified Date: 2/12/2008 11:37
Year: 2008
Agency: City of Beaumont
County: Riverside County

**California Hazardous Material
Incident Report System**

-- --

Contained: Yes
Water Involved: Yes
Water Way: Storm Channel
Drinking Water Impacted:
Known Impact:
Incident Date: 2/10/2008
Incident Time: 1040
Spill Site: Road
Injuries?:
Injuries Number: 0
Fatals?:
Fatals Number: 0
Evacs?:
Evacs Number: 0
Clean Up: Reporting Party
Admin Agency: Riverside County Environmental Health
Site: Storm Channel
Cause:
DOG Number:
1 Substance:
1 Quantity: 3750
1 Measure: Gal(s)
1 Type: SEWAGE
1 Other:
1 Pipeline:
1 Vessel >= 300 Tons:
2 Substance:
2 Quantity:::
2 Measure:
2 Type:
2 Other:
2 Pipeline:
2 Vessel >= 300 Tons:
3 Substance:
3 Quantity:
3 Measure:
3 Type:
3 Other:
3 Pipeline:
3 Vessel >= 300 Tons:
Barrels:
Cups:
Cubic Ft:
Gallons:
Grams:
Lbs:
Liters:
Ozs:
Pts:
Qts:
Sheen:
Tons:
Unknown:
Cause Other:

Notification Area: AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS
Description: --

Site: riverside co. fd
eastbound I-10 across of Beaumont ave. beaumont CA 92223

CHMIRS

Control NO: 3562
Notified Date: 8/9/1994
Year: 1994
Agency: riverside co. fd
County: RIVERSIDE

**California Hazardous Material
Incident Report System**

-- --
Contained: NO
Water Involved: YES
Water Way:
Drinking Water Impacted:
Known Impact:
Incident Date: 8/9/94 1600
Incident Time:
Spill Site:
Injuries?:
Injuries Number: NO
Fatals?:
Fatals Number: NO
Evacs?:
Evacs Number: NO
Clean Up: caltrans
Admin Agency:
Site: RD
Cause:
DOG Number:
1 Substance:
1 Quantity: 40 gallons
1 Measure:
1 Type: PETROLEUM
1 Other:
1 Pipeline:
1 Vessel >= 300 Tons:
2 Substance:
2 Quantity::
2 Measure:
2 Type:
2 Other:
2 Pipeline:
2 Vessel >= 300 Tons:
3 Substance:
3 Quantity:
3 Measure:
3 Type:
3 Other:
3 Pipeline:
3 Vessel >= 300 Tons:
Barrels:
Cups:
Cubic Ft:
Gallons:
Grams:
Lbs:
Liters:
Ozs:
Pts:
Qts:
Sheen:
Tons:
Unknown:
Cause Other:

Notification Area:

Description:

-- --

Site: SOUTHERN CALIFORNIA EDISON - DETENTION POINT COMMUNICATION SITE
9.1 MI. NE OF BEAUMONT BEAUMONT CA 92223

FINDS/FRS

Registry ID: 110055864514
FIPS Code: 33
Program Acronyms: CA-CERS
HUC Code:
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor:
County Name: RIVERSIDE
Source:
SIC Codes: 4911
SIC Code Descriptions: ELECTRIC SERVICES
Federal Facility Code:
NAICS Codes: 221122
NAICS Code Descriptions: ELECTRIC POWER DISTRIBUTION.
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No:
Census Block Code:
Create Date: 15-SEP-2013 13:44:27
Update Date:
Location Description:
Supplemental Location: 9.1 MI. NE OF BEAUMONT
Tribal Land Code:
Tribal Land Name:
Latitude:
Longitude:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Reference Point:
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110055864514

Site: SCE DETENTION POINT COMMUNICATION SITE
9.1 MI. NE OF BEAUMONT BEAUMONT CA 92223

FINDS/FRS

Registry ID: 110066440685
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code:
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor:
County Name: RIVERSIDE COUNTY
Source:
SIC Codes: 4911
SIC Code Descriptions: ELECTRIC SERVICES
Federal Facility Code:
NAICS Codes: 221122
NAICS Code Descriptions: ELECTRIC POWER DISTRIBUTION.
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No:
Census Block Code:
Create Date: 14-OCT-2015 11:31:26
Update Date:
Location Description:
Supplemental Location: 9.1 MI. NE OF BEAUMONT
Tribal Land Code:
Tribal Land Name:
Latitude:

Longitude:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Reference Point:
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066440685

Site: CAL TRANS
BEAUMONT AVE & I-10 BEAUMONT CA 92223

[FINDS/FRS](#)

Registry ID: 110066292229
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code:
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor:
County Name: RIVERSIDE
Source:
SIC Codes:
SIC Code Descriptions:
Federal Facility Code:
NAICS Codes:
NAICS Code Descriptions:
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No:
Census Block Code:
Create Date: 14-OCT-2015 10:51:00
Update Date:
Location Description:
Supplemental Location: BEAUMONT AVE & I-10
Tribal Land Code:
Tribal Land Name:
Latitude:
Longitude:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Reference Point:
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066292229

Site: STPNA HOVCHILD
HIGHLAND SPRINGS BEAUMONT CA 92223

[FINDS/FRS](#)

Registry ID: 110065010473
FIPS Code:
Program Acronyms: CA-ENVIROVIEW
HUC Code: 18070203
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor: FRS-GEOCODE
County Name: RIVERSIDE COUNTY
Source:
SIC Codes: 9511
SIC Code Descriptions: AIR AND WATER RESOURCE AND SOLID WASTE MANAGEMENT
Federal Facility Code:
NAICS Codes:
NAICS Code Descriptions:
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No: 41
Census Block Code: 060650438221084
Create Date: 10-OCT-2015 08:20:02

Update Date:
Location Description:
Supplemental Location: HIGHLAND SPRINGS
Tribal Land Code:
Tribal Land Name:
Latitude: 33.93765
Longitude: -116.99517
Coord Collection Method: ADDRESS MATCHING-BLOCK FACE
Accuracy Value: 500
Datum: NAD83
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065010473

Site: LOCKHEED PROPULSION-BEAUMONT NO. 1
HIGHLAND SPRINGS ROAD BEAUMONT CA 92223

FINDS/FRS

Registry ID: 110033607817
FIPS Code: 06065
Program Acronyms: DTSC-ENVIROSTOR
HUC Code: 18070202
Site Type Name: STATIONARY
EPA Region Code: 09
Conveyor: RE-POWERING
County Name: RIVERSIDE
Source:
SIC Codes:
SIC Code Descriptions:
Federal Facility Code:
NAICS Codes:
NAICS Code Descriptions:
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No: 41
Census Block Code: 060650438121094
Create Date: 17-MAR-2008 21:58:26
Update Date: 24-SEP-2014 17:17:47
Location Description:
Supplemental Location: HIGHLAND SPRINGS ROAD
Tribal Land Code:
Tribal Land Name:
Latitude: 33.8638
Longitude: -116.9326
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Reference Point:
Interest Types: STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110033607817

Site: 1X LOCKHEED CORPORTATION
SOUTH HIGHLAND SPRINGS ROAD BEAUMONT CA 922200000

HAZNET

SIC Code:		Mailing City:	CALASBAS
NAICS Code:		Mailing State:	CA
EPA ID:	CAC000617448	Mailing Zip:	913020000
Create Date:	7/19/1991	Region Code:	4
Fac Act Ind:	No	Owner Name:	LOCKHEED CORPORATION
Inact Date:	10/25/2000	Owner Addr 1:	--
File Source:	File Sent By Department	Owner Addr 2:	--
County Code:	33	Owner City:	--
County Name:	Riverside	Owner State:	99
Mail Name:		Owner Zip:	--
Mailing Addr 1:	LOCKHEED CORPORATION	Owner Phone:	0000000000
Mailing Addr 2:		Owner Fax:	

Contact Information

-- --
Contact Name: KRIS KOERNER/ENGINEER
Street Address 1: EXTEND 90 DAYS 10-01-91
Street Address 2:
City: --
State: 99
Zip: --
Phone: 9163625332
-- --

Site: LOCKHEED MARTIN CORPORATION
17255 S HIGHLAND SPRINGS RD BEAUMONT CA 922200000

HAZNET

SIC Code:		Mailing City:	BURBANK
NAICS Code:	3364	Mailing State:	CA
EPA ID:	CAD983613753	Mailing Zip:	915055047
Create Date:	11/13/1991	Region Code:	4
Fac Act Ind:	Yes	Owner Name:	LOCKHEED MARTIN CORPORATION
Inact Date:		Owner Addr 1:	6801 ROCKLEDGE DR
File Source:	File Sent By Department	Owner Addr 2:	
County Code:	33	Owner City:	BETHESDA
County Name:	Riverside	Owner State:	MD
Mail Name:		Owner Zip:	208171803
Mailing Addr 1:	2550 N HOLLYWOOD WAY STE 406	Owner Phone:	8188470197
Mailing Addr 2:		Owner Fax:	0000000000

Contact Information

-- --
Contact Name: GENE MATSUSHITA MANAGER
Street Address 1: 2550 N HOLLYWOOD WAY STE 406
Street Address 2:
City: BURBANK
State: CA
Zip: 915055047
Phone: 8188470197
-- --

Tanner Information

-- --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD980675276
TSD County Code: 15
TSD County: Kern
State Waste Code: 134
State Waste Code Desc.: Aqueous solution with total organic residues less than 10 percent
Method Code: T01
Method Description: Treatment, tank
Tons: 6.3
Year: 2003
-- --

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD050806850
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 134
State Waste Code Desc.: Aqueous solution with total organic residues less than 10 percent
Method Code: H01
Method Description: Transfer station
Tons: 0.924
Year: 2003
-- --

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAT080022148
TSD County Code: 36

TSD County: San Bernardino
State Waste Code: 135
State Waste Code Desc.: Unspecified aqueous solution
Method Code: H01
Method Description: Transfer station
Tons: 0.924
Year: 1995
 --

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD044429835
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 135
State Waste Code Desc.: Unspecified aqueous solution
Method Code: D99
Method Description: Disposal, other
Tons: 48.72
Year: 1997
 --

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD009007626
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 151
State Waste Code Desc.: Asbestos containing waste
Method Code: D80
Method Description: Disposal, landfill
Tons: 0.3371
Year: 1995
 --

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: NVT330010000
TSD County Code: 99
TSD County: Unknown
State Waste Code: 151
State Waste Code Desc.: Asbestos containing waste
Method Code: D80
Method Description: Disposal, landfill
Tons: 67.424
Year: 2003
 --

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD982444481
TSD County Code: 36
TSD County: San Bernardino
State Waste Code: 181
State Waste Code Desc.: Other inorganic solid waste
Method Code: H01
Method Description: Transfer station
Tons: 0.1
Year: 2003
 --

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: NVT330010000
TSD County Code: 99
TSD County: Unknown
State Waste Code: 181
State Waste Code Desc.: Other inorganic solid waste
Method Code: D99
Method Description: Disposal, other
Tons: 0.02

Year: 2003
 --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: UTD981552177
TSD County Code: 99
TSD County: Unknown
State Waste Code: 181
State Waste Code Desc.: Other inorganic solid waste
Method Code: H040
Method Description: INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons: 0.0125
Year: 2014
 --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD044429835
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 221
State Waste Code Desc.: Waste oil and mixed oil
Method Code:
Method Description:
Tons: 0.114
Year: 1998
 --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD044429835
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 221
State Waste Code Desc.: Waste oil and mixed oil
Method Code: T03
Method Description: Treatment, incineration
Tons: 3.819
Year: 1996
 --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD044429835
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 221
State Waste Code Desc.: Waste oil and mixed oil
Method Code: R01
Method Description: Recycler
Tons: 0.627
Year: 1995
 --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD050806850
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 221
State Waste Code Desc.: Waste oil and mixed oil
Method Code: H01
Method Description: Transfer station
Tons: 0.19
Year: 2003
 --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD044429835

TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 221
State Waste Code Desc.: Waste oil and mixed oil
Method Code: D99
Method Description: Disposal, other
Tons: 0.513
Year: 1997
--

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD044429835
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 221
State Waste Code Desc.: Waste oil and mixed oil
Method Code: D99
Method Description: Disposal, other
Tons: 0.418
Year: 1996
--

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD044429835
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 221
State Waste Code Desc.: Waste oil and mixed oil
Method Code: D99
Method Description: Disposal, other
Tons: 0.114
Year: 2000
--

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD097030993
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 221
State Waste Code Desc.: Waste oil and mixed oil
Method Code: H135
Method Description: DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)
Tons: 0.076
Year: 2007
--

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD981696420
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 222
State Waste Code Desc.: Oil/water separation sludge
Method Code: H01
Method Description: Transfer station
Tons: 0.4587
Year: 1997
--

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD982444481
TSD County Code: 36
TSD County: San Bernardino
State Waste Code: 223
State Waste Code Desc.: Unspecified oil-containing waste
Method Code: H01
Method Description: Transfer station

Tons: 0.02085
Year: 2003
 --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD044429835
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 223
State Waste Code Desc.: Unspecified oil-containing waste
Method Code: D99
Method Description: Disposal, other
Tons: 0.1751
Year: 1998
 --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD044429835
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 241
State Waste Code Desc.: Tank bottom waste
Method Code: D99
Method Description: Disposal, other
Tons: 0.9174
Year: 1996
 --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD050806850
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 261
State Waste Code Desc.: Polychlorinated biphenyls and material containing PCBs
Method Code: H01
Method Description: Transfer station
Tons: 0.1531
Year: 1995
 --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: NVT330010000
TSD County Code: 99
TSD County: Unknown
State Waste Code: 261
State Waste Code Desc.: Polychlorinated biphenyls and material containing PCBs
Method Code: D99
Method Description: Disposal, other
Tons: 0.74936
Year: 2005
 --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD008364432
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 343
State Waste Code Desc.: Unspecified organic liquid mixture
Method Code: T01
Method Description: Treatment, tank
Tons: 0.34
Year: 2003
 --
Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside

TSD EPA ID: CAD028409019
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code: H01
Method Description: Transfer station
Tons: 0.1
Year: 2006
 --

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD982444481
TSD County Code: 36
TSD County: San Bernardino
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code: H01
Method Description: Transfer station
Tons: 0.075
Year: 2003
 --

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD097030993
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code: H135
Method Description: DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)
Tons: 1.4375
Year: 2007
 --

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAT000646117
TSD County Code: 16
TSD County: Kings
State Waste Code: 352
State Waste Code Desc.: Other organic solids
Method Code: H132
Method Description: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons: 2
Year: 2007
 --

Generator EPA ID: CAD983613753
Generator County Code: 33
Generator County: Riverside
TSD EPA ID: CAD008364432
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 551
State Waste Code Desc.: Laboratory waste chemicals
Method Code: T01
Method Description: Treatment, tank
Tons: 0.05
Year: 2003
 --

Site: LOCKHEED BEAUMONT
 17255 S HIGHLAND SPRINGS RD BEAUMONT CA 922200000

HAZNET

SIC Code:
NAICS Code:
EPA ID: CAL000076729

Mailing City: BURBANK
Mailing State: CA
Mailing Zip: 915050001

Create Date: 3/24/1992
Fac Act Ind: No
Inact Date: 6/30/1997
File Source: File Sent By Department
County Code: 33
County Name: Riverside
Mail Name:
Mailing Addr 1: 2550 N HOLLYWOOD WAY STE 301
Mailing Addr 2:

Region Code: 4
Owner Name: LOCKHEED CORPORATION
Owner Addr 1: 2550 N HOLLYWOOD STE 301
Owner Addr 2:
Owner City: BURBANK
Owner State: CA
Owner Zip: 915050000
Owner Phone: 0000000000
Owner Fax:

Contact Information

-- --
Contact Name: R N HELGERSON
Street Address 1: 2550 N HOLLYWOOD WAY STE 301,MB
Street Address 2:
City: BURBANK
State: CA
Zip: 915050001
Phone: 8188476927
-- --

Site: 1X BEAUMONT UNIF SCHOOL DISTRICT
BEAUMONT HIGH SCHOOL BEAUMONT CA 922230000

HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC000060117
Create Date: 1/21/1988
Fac Act Ind: No
Inact Date: 10/25/2000
File Source: File Sent By Department
County Code: 33
County Name: Riverside
Mail Name:
Mailing Addr 1: --
Mailing Addr 2:

Mailing City: BEAUMONT
Mailing State: CA
Mailing Zip: 922230000
Region Code: 4
Owner Name: --
Owner Addr 1: --
Owner Addr 2: --
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000
Owner Fax:

Contact Information

-- --
Contact Name: JOHN THORNSLEY
Street Address 1: --
Street Address 2:
City: --
State: 99
Zip: --
Phone: 7148451631
-- --

Site: J. W. MC CURDY
E.B. I-10 X OF BEAUMONT AVENUE BEAUMONT CA

HIST CHMIRS

OES Control NO: 9403562
Release Factors: Other,
Release Text: metal in,road
Equipm Involved: No Equip Involved
Action Taken Text:
Chemicals: DIESEL FUEL
Case Number:
HazMat Other:
HM Injury: 0
Decon: 0
Agency Name: RIVERSIDE CFD
Action Taken: Contain/Control Hazmat,Decon-Area(Cleanup),Monitor
HazMat Pers: On-site Fire Services,Dot Manual, Placards/Signs
More than three involved?: 2

Incident Date: 8/9/1994
Date Reported: 8/9/1994
Fatalities: 0
Other Injury: 0
Other Decon: 0
Other Fatal: 0
Vehicle: PETERBILT 91
State: TX
CA DOT PUC ICC: R29-791
Company Name: J. W. MC CURDY
County: RIVERSIDE

Site: FOUR COR PIPELINE CO BEAUMONT
7 M I S OF BEAUMONT BEAUMONT CA 92223

RCRA NON GEN

EPA Handler ID: CAD000628354
Current Site Name: FOUR COR PIPELINE CO BEAUMONT
Generator Status Universe: No Report
Land Type: Private
Activity Location: CA
TSD Activity: No
Mixed Waste Generator: No
Importer Activity: No
Transporter Activity: Yes
Transfer Facility: No
Recycler Activity: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Inject Activity: No
Rece Waste From Off Site: No
Used Oil Transporter:
Used Oil Transfer Facility:
Used Oil Processor:
Used Oil Refiner:
Used Oil Burner:
Used Oil Market Burner:
Used Oil Spec Marketer:
Mailing Address: 5900 CHERRY AVE, , LONG BEACH, CA, 90805,
Contact Name: GORDON MURDOCK
Contact Address: P O BOX 45360, MAIL STOP OC203, SALT LAKE CITY, UT, 841450360, US
Contact Email:
Location Street 2:

--
Owner/Operator Information

--
Owner/Operator Indicator: CP
Owner/Operator Name: NOT REQUIRED
Owner/Operator Address: NOT REQUIRED NOT REQUIRED ME 99999
Owner/Operator Phone: 4155551212
Owner/Operator Type: P
Date Became Current:
Date Ended Current:

--
Owner/Operator Indicator: CO
Owner/Operator Name: QUESTAR CORPORATION
Owner/Operator Address: PO BOX 45360 SALT LAKE CITY UT 841450360
Owner/Operator Phone: 8013243411
Owner/Operator Type: P
Date Became Current:
Date Ended Current:

--
NAICS Information

--
Handler Information

--
Date Received: 19990507
Facility Name: FOUR COR PIPELINE CO BEAUMONT

--
Hazardous Waste Information

--
Violation/Evaluation Information

--

Site: Superior Ready Mix
24161 State St San Jacinto CA

RIVERSIDE LOP

Site ID: 970598
Status Code: 9
Status Desc: CLOSED/ACTION COMPLETED
Case Type Code: S
Case Type Desc: SOIL ONLY IS IMPACTED
Closed Code: Y

Closed Desc: CLOSED SITE
Employee: Shurlow-LOP

Site: **Cal Trans**
00 Beaumont Ave & I-10 Beaumont CA

RIVERSIDE LOP

Site ID: 90284
Status Code: 9
Status Desc: CLOSED/ACTION COMPLETED
Case Type Code: S
Case Type Desc: SOIL ONLY IS IMPACTED
Closed Code: Y
Closed Desc: CLOSED SITE
Employee: Whitehead

Site: **LOCKHEED CORP AIRCRAFT LDFL**
HIGHLAND SPRINGS RD BEAUMONT CA 92223

SEMS ARCHIVE

Site ID: 0902198
EPA ID: CAD980887392
NPL: Not on the NPL
Federal Facility: N
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information
FIPS Code: 06065
Cong District: 37
County: RIVERSIDE
Region: 09

Site: **RIVERSIDE COUNTY-LAMB CANYON LANDFILL**
LAMB CANYON RD. 3M. S. OF BEAUMONT BEAUMONT, CA 92223 CA

SWAT

Rank: 3
SWIS Number: 33-AA-0007
Report Status Code: P
Report Status: PENDING
Transcribe Source: Solid Waste Assessment Test (SWAT) Program Report to the Legislature 1989-1990
Site Classification Code:
Site Classification:
Activity Status Code:
Activity Description:
Character of Site Code:
Character of Site:
Size of Site Code:
Size of Site:
Proposal Status:
Site Leak:
Site Leak Desc:
Type of Leak:
Enforce Action:
Enforce Action Desc:
Waste Management Unit:
Waste Discharger Sys NO: 8 330305004
Initial Notif Date:
Proposal Due Date:
Report Due Date: 07/01/89
Anticipated Rprt Submit Dt:
Report Received Date: 07/14/89
Report Target Review Date: 04/01/93
Report Resubmitted Due Date:
Report Resubmitted Rcvd Dt:
Report Approval Date:
Anticip Proposal Submit Dt:
Proposal Received Date:
Proposal Target Review Date:
Proposal Status Code:
Proposal Resubmitted Due Dt:
Proposal Resubmitted Received Due Date:

Proposal Accepted Date:
Exemption Questionnaire
Approved Date:
Waiver Approved Date:
Type of Leak Code:
DHS & CWMB Notif Date:
Report Summ Sent Date:
Monitor Program Revise Date:
Revise WDR Target Date:
Hazardous Waste Surface:
Above Reg Level Surface:
Below Reg Level Surface:
Hazardous Waste Ground:
Above Reg Level Ground:
Below Reg Level Ground:
Hazardous Waste Vadose:
Above Reg Level Vadose:
Below Reg Level Vadose:
Surface:
Ground:
Vadose:
Operator Name:
Agency Name:
County Number:
County Name:
Regional Board Contact:
Region:
Remarks:

RIVERSIDE COUNTY

RIVERSIDE

SANTA ANA REGION 8

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List:

NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Jun 27, 2016

National Priority List - Proposed:

PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Jun 27, 2016

Deleted NPL:

DELETED NPL

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.

Government Publication Date: Jun 27, 2016

SEMS List 8R Active Site Inventory:

SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Mar 07, 2016

SEMS List 8R Archive Sites:

SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Mar 07, 2016

Comprehensive Environmental Response, Compensation and Liability Information System -

CERCLIS

CERCLIS:

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

CERCLIS - No Further Remedial Action Planned:

[CERCLIS NFRAP](#)

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:

[CERCLIS LIENS](#)

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:

[RCRA CORRACTS](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jun 21, 2016

RCRA non-CORRACTS TSD Facilities:

[RCRA TSD](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Jun 21, 2016

RCRA Generator List:

[RCRA LQG](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jun 21, 2016

RCRA Small Quantity Generators List:

[RCRA SQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jun 21, 2016

RCRA Conditionally Exempt Small Quantity Generators List:

[RCRA CESQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt Small Quantity Generators (CESQG) generate 100 kilograms or less per month of hazardous waste or one kilogram or less per month of acutely hazardous waste.

Government Publication Date: Jun 21, 2016

RCRA Non-Generators:

[RCRA NON GEN](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jun 21, 2016

Federal Engineering Controls-ECs:

FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jul 30, 2014

Federal Institutional Controls- ICs:

FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Jul 30, 2014

Emergency Response Notification System:

ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:

ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:

ERNS

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 7, 2015

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:

FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jul 14, 2016

FEMA Underground Storage Tank Listing:

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Apr 19, 2016

State

State Response Sites:

RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Jun 30, 2016

EnviroStor Database:

ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Apr 28, 2016

Solid Waste Information System (SWIS):

SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Jul 15, 2016

EnviroStor Hazardous Waste Facilities:

HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Jul 18, 2016

Land Disposal Sites:

LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Aug 24, 2016

Leaking Underground Fuel Tank Reports:

LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Jun 06, 2016

Delisted Leaking Storage Tanks:

DLST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Jul 07, 2016

Permitted Underground Storage Tank (UST) in GeoTracker:

UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Jul 18, 2016

Aboveground Storage Tanks:

AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

Delisted Storage Tanks:

DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Jul 18, 2016

Proposed Closure of Underground Storage Tank Cases:

UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: Jul 07, 2016

Historical Hazardous Substance Storage Information Database:

HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions:

[LUR](#)

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Jul 18, 2016

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions:

[HLUR](#)

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Government Publication Date: Jul 12, 2016

Deed Restrictions and Land Use Restrictions:

[DEED](#)

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Aug 11, 2016

Voluntary Cleanup Program:

[VCP](#)

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Jul 18, 2016

GeoTracker Cleanup Sites Data:

[CLEANUP SITES](#)

A list of cleanup sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Jun 06, 2016

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands:

[INDIAN LUST](#)

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Jan 31, 2016

Underground Storage Tanks (USTs) on Indian Lands:

[INDIAN UST](#)

USTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Jan 31, 2016

Delisted Tribal Leaking Storage Tanks:

[DELISTED ILST](#)

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Jan 31, 2016

Delisted Tribal Underground Storage Tanks:

[DELISTED IUST](#)

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Jan 31, 2016

County

Alameda County LOP Sites List:

[ALAMEDA LOP](#)

A list of Leaking Underground Storage Tanks (LUST) facilities in Alameda County. This list is made available by Alameda County Department of Environmental Health (ACEH). ACEH implements a Local Oversight Program (LOP) under contract with the State Water Resources Control Board to provide regulatory oversight of the investigation and cleanup of soil and groundwater contamination from leaking petroleum USTs.

Government Publication Date: Jun 22, 2016

Alameda County UST List:

[ALAMEDA UST](#)

A list of all registered Underground Storage Tanks (USTs) in the County of Alameda. The list is made available by Alameda County Department of Environmental Health.

Government Publication Date: Jun 23, 2016

Amador County CUPA List:

[AMADOR CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Amador County. This list is made available by Amador County Environmental Health Department which is the CUPA for Amador County and administers a consolidated hazardous materials program.

Government Publication Date: Aug 22, 2016

Butte County CUPA List:

[BUTTE CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Butte County. This list is made available by Butte County Public Health Department, Environmental Health Division which was certified by the California Environmental Protection Agency as the CUPA for Butte County.

Government Publication Date: Jul 01, 2016

Calaveras County CUPA Facilities List:

[CALAVERAS CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Calaveras. This list is made available by Calaveras County Environmental Health Department which has been certified by CalEPA to implement the Unified program as a CUPA.

Government Publication Date: Jun 21, 2016

Calaveras County Landfills List:

[CALAVERAS LF](#)

A list of landfills in Calaveras County. This list is made available by Calaveras County Environmental Health Department which has been designated as the CUPA for the County.

Government Publication Date: Jun 21, 2016

Calaveras County UST Remediation Sites:

[CALAVERAS LUST](#)

A list of Leaking Underground Storage Tank (LUST) facilities in Calaveras County. This list is made available by Calaveras County Environmental Health Department. Local Implementing Agency (LIA) provides oversight of site remediation with soil contamination while CalEPA - California Regional Water Quality Control Board - Central Valley Region oversees remediation of sites with groundwater contamination.

Government Publication Date: Jun 20, 2016

Colusa County CUPA List:

[COLUSA CUPA](#)

A list of facilities associated with Business Plan and Hazardous Generator programs in the County of Colusa. This list is made available by Colusa County Environmental Health which was certified by the California Environmental Protection Agency as Certified Unified Program Agency for Colusa County.

Government Publication Date: Jan 26, 2016

Contra Costa County CUPA List:

[CONTRACO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Contra Costa. This list is made available by Contra Costa County which has been certified by CalEPA to implement the Unified program as a CUPA.

Government Publication Date: Jul 21, 2016

Del Norte County CUPA Facility List:

[DELNORTE CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Del Norte County. This list is made available by Del Norte County Environmental Health Division which is the designated CUPA for the county.

Government Publication Date: Jul 21, 2016

El Dorado County CUPA Facility List:

[ELDORADO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in El Dorado County. This list is made available by El Dorado County Department of Environmental Management - Hazardous Waste Division which is approved by CalEPA as CUPA for El Dorado County.

Government Publication Date: May 24, 2016

Fresno County CUPA/Solid Waste Programs Resource List:

[FRESNO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Fresno County. This list is made available by Fresno County Department of Environmental Health Division which is approved by Cal-EPA as CUPA for the County.

Government Publication Date: Jul 13, 2016

Humboldt County CUPA Facility List:

[HUMBOLDT CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Humboldt County. This list is made available by Humboldt County Division of Environmental Health which is approved by the State Secretary for Environmental Protection as CUPA for the County.

Government Publication Date: May 11, 2016

Imperial County CUPA Facility List:

[IMPERIAL CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Imperial County. This list is made available by the California Department of Toxic Substances Control (DTSC) which is appointed as CUPA for Imperial County.

Government Publication Date: Apr 28, 2016

Inyo County CUPA Facility List:

[INYO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Inyo. This list is made available by the Inyo County Environmental Health Services Department which has been certified by CalEPA to implement the Unified program as a CUPA.

Government Publication Date: Jul 11, 2016

Kern County CUPA List:

[KERN CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Kern. This list is made available by Kern County Environmental Health Services Department which has been certified by CalEPA to implement the Unified program as a CUPA for Kern County.

Government Publication Date: May 20, 2016

Kern County UST List:

[KERN UST](#)

A list of all registered and inactive Underground Storage Tanks in the County of Kern. The list is made available by Kern County Environmental Health Division.

Government Publication Date: May 17, 2016

Kings County CUPA Facility List:

[KINGS CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Kings County. This list is made available by Kings County Department of Public Health which is appointed as CUPA for the county.

Government Publication Date: Jul 25, 2016

Lake County CUPA Facility List:

[LAKE CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Lake County. This list is made available by Lake County Division of Environmental Health which is CUPA for the entire county.

Government Publication Date: Aug 15, 2016

Los Angeles County - El Segundo City Underground Storage Tanks List:

[ELSEGUNDO UST](#)

A list of all registered Underground Storage Tanks (USTs) in the City of El Segundo of Los Angeles County. The list is made available by El Segundo City Fire Department.

Government Publication Date: Mar 11, 2016

Los Angeles County - Torrance City Underground Storage Tanks:

[TORRANCE UST](#)

A list of registered Underground Storage Tank (UST) sites in Torrance City of Los Angeles County. This list is made available by Torrance City Office of Clerk.

Government Publication Date: Jun 23, 2016

Los Angeles County HMS List:

[LA HMS](#)

This list contains sites that have or had permits for Industrial Waste, Underground Storage Tanks, or Storm water in the County of Los Angeles. This list is made available by the County of Los Angeles Department of Public Works.

Government Publication Date: May 17, 2016

Los Angeles County Long Beach UST List:

[LA LONGB UST](#)

A list of all registered active Underground Storage Tanks in the City of Long Beach of Los Angeles County. The list is made available by Long Beach Certified Unified Program Agency.

Government Publication Date: Aug 24, 2016

Los Angeles County Solid Waste Sites:

[LA SWF](#)

List of permitted solid waste facilities, closed landfills, historical dumpsites and other solid waste sites in Los Angeles County, made available by the Department of Public Works in Los Angeles County.

Government Publication Date: Jul 07, 2016

Madera County CUPA Facility List:

[MADERA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Madera County. This list is made available by Madera County Environmental Health Department which is CUPA for the entire county.

Government Publication Date: Jun 16, 2016

Marin County CUPA List:

[MARIN CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Marin. This list is made available by Marin County which has been certified by CalEPA to implement the Unified program as a CUPA.

Government Publication Date: Jul 28, 2016

Merced County CUPA Facilities List:

[MERCED CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Merced. This list is made available by Merced County which has been certified by CalEPA to implement the Unified program as a CUPA for the entire county.

Government Publication Date: Jul 16, 2016

Mono County CUPA Facility List:

[MONO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Mono County. This list is made available by Mono County Environmental Health Department which has been certified by CalEPA to implement the Unified program as a CUPA for the entire county.

Government Publication Date: Jun 22, 2016

Monterey County CUPA Facility List:

[MONTEREY CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Monterey County. This list is made available by Monterey County Hazardous Materials Management Services which is designated as the CUPA in Monterey County.

Government Publication Date: Aug 05, 2016

Napa County UST List:

[NAPA UST](#)

A list of all registered active Underground Storage Tanks (USTs) in the County of Napa. This list is made available by Napa County Environmental Health Division.

Government Publication Date: Mar 09, 2016

Nevada County CUPA Facility List:

[NEVADA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Nevada County. This list is made available by Nevada County Department of Environmental Health which is the CUPA for all cities and unincorporated areas within Nevada County.

Government Publication Date: Jul 25, 2016

Orange County Aboveground Petroleum Storage Tank Listing:

[ORANGE AST](#)

A list of Aboveground Petroleum Storage Tank (APST) facilities inspected by Orange County Certified Unified Program Agency (CUPA) Under the Aboveground Petroleum Storage Act (APSA). This list is made available by the Environmental Health Division of Orange County Health Care Agency.

Government Publication Date: Jul 01, 2016

Orange County Underground Storage Tanks Listing:

[ORANGE UST](#)

A list of registered Underground Storage Tank (UST) sites in Orange County. This list is made available by Orange County Health Care Agency (OCHCA), Environmental Health Division which oversees the underground storage tank inspection program in most of the cities of Orange County, with the exception of Anaheim, Fullerton, and Orange.

Government Publication Date: Jul 01, 2016

Placer County CUPA Facilities List:

[PLACER CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Placer County. This list is made available by Placer County Environmental Health which is designated CUPA for all areas of the county except for the City of Roseville.

Riverside County Local Oversight Program List:

[RIVERSIDE LOP](#)

A list of Leaking Underground Storage Tank (LUST) facilities in Riverside County. This list is made available by Riverside County Department of Environmental Health. Environmental Cleanup Program provides oversight of assessments and cleanups at properties that have been, or may have been, contaminated with hazardous substances from LUSTs or releases associated with other commercial/industrial use.

Government Publication Date: May 18, 2016

Riverside County Underground Storage Tanks List:

[RIVERSIDE UST](#)

A list of registered Underground Storage Tank (UST) sites in Riverside County. This list is made available by Riverside County Department of Environmental Health. The Hazardous Materials Management Branch (HMMB) regulates and oversees the inspections of constructions, repairs, upgrades, system operation and removal of UST systems.

Government Publication Date: May 18, 2016

Sacramento County Master Hazardous Materials Facility List:

[SACRAMENTO HAZ](#)

A list of Hazardous Materials Facilities in Sacramento County. This list is made available by Sacramento County Environmental Management Department which has been designated as the Certified Unified Program Agency (CUPA) for the County.

Government Publication Date: May 02, 2016

Sacramento Toxic Site Cleanup List:

[SACRAMENTO TOX](#)

Sacramento County Environmental Management Department (EMD)'s Toxic Site Cleanup List includes sites where unauthorized releases of potentially hazardous materials have occurred. The EMD's Site Assessment & Mitigation Program, also referred to as Toxic Site Cleanup Program, provides mandated regulatory oversight of the assessment and remediation of properties on which there has been a release of hazardous materials to soil and/or groundwater.

Government Publication Date: Aug 22, 2016

San Bernardino County CUPA List:

[SANBERN CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Bernardino County. This list is made available by San Bernardino County Fire Department which is the CUPA for all areas of the County except the city of Victorville.

Government Publication Date: Jul 25, 2016

San Diego County Hazardous Materials Management Division Database:

[SANDIEGO HAZ](#)

A list of facilities with Unified Program Facility Permit in San Diego County. This list has been made available by County of San Diego Environmental Health.

Government Publication Date: Jun 19, 2016

San Diego County Site Assessment and Mitigation Investigation Sites:

[SANDIEGO SAM](#)

List of sites which have undergone a Site Assessment and Mitigation investigation. This list is made available by the County of San Diego Department of Environmental Health.

Government Publication Date: Jul 18, 2016

San Diego County Solid Waste Facility List:

[SANDIEGO SWF](#)

A list of open and closed Solid Waste Facilities in the County of San Diego. The list is made available by San Diego County Department of Environmental Health.

Government Publication Date: Aug 12, 2016

San Francisco County Aboveground Storage Tanks List:

[SANFRAN AST](#)

A list of Aboveground Storage Tanks (ASTs) facilities inspected by San Francisco Department of Public Health's (SFDPH) Hazardous Materials and Waste Program. Aboveground storage containers or tanks include oil-filled equipment (such as hydraulic systems/reservoirs and heat transfer systems) which have a petroleum storage capacity of 55 gallons or greater.

Government Publication Date: Jun 27, 2016

San Francisco County CUPA Facilities List:

[SANFRAN CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Francisco County. This list is made available by San Francisco County Hazardous Materials and Waste Program which is the CUPA for all areas of the County.

Government Publication Date: Jun 27, 2016

San Francisco County LOP Sites:

[SANFRAN LOP](#)

A list of Underground Storage Tank (UST) release sites in the County of San Francisco. This list is made available by San Francisco County Department of Public Health Environmental Health Protection Branch.

Government Publication Date: May 25, 2016

San Francisco County UST List:

[SANFRAN UST](#)

A list of all registered Underground Storage Tanks (USTs) in the County of San Francisco. This list is made available by San Francisco County Environmental Health Division. The Hazardous Materials and Waste Program provides regulatory oversight for the construction, operation, repair and removal of USTs in San Francisco.

Government Publication Date: Jun 27, 2016

San Joaquin County Aboveground Tank List:

[SANJOAQUIN AST](#)

A list of Aboveground Storage Tanks (ASTs) inspected by San Joaquin County Environmental Health Department (SJCEHD) under Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Jul 22, 2016

San Joaquin County UST List:

[SANJOAQUIN UST](#)

A list of all registered Underground Storage Tanks in the County of San Joaquin. The list is made available by San Joaquin County Environmental Health Division.

Government Publication Date: Jul 22, 2016

San Joaquin Hazardous Waste Facilities:

[SANJOAQUIN HW](#)

A list of Hazardous Waste Facilities in San Joaquin County. This list is made available by San Joaquin County Environmental Health Department which has been designated as the CUPA for the County.

Government Publication Date: Jul 22, 2016

San Mateo County CUPA Facilities List:

[SANMATEO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Mateo County. This list is made available by San Mateo County Environmental Health Department which has been designated as the CUPA for the County.

Government Publication Date: May 2, 2016

San Mateo County LOP List:

[SANMATEO LOP](#)

A list of Leaking Underground Storage Tank (LUST) facilities in San Mateo County. This list is made available by San Mateo County Environmental Health Services Division.

Government Publication Date: May 10, 2016

Santa Clara County CUPA Facilities List:

[SANTA CLARA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Santa Clara County. This list is made available by Santa Clara County Department of Environmental Health (DEH). DEH's Hazardous Materials Compliance Division (HMCD) is CUPA for the county with jurisdiction within the Cities of Los Altos Hills, Monte Sereno, and Saratoga; and in all unincorporated areas of Santa Clara County, including Moffett Field, San Martin, and Stanford.

Government Publication Date: Aug 22, 2016

Santa Clara Local Oversight Program Listing:

[SANTA CLARA LO](#)

A list of Leaking Underground Storage Tanks (LUST) facilities in Santa Clara County Provided by Santa Clara Department of Environmental Health (DEH). Since July 1, 2004 the DEH has served as the oversight agency for investigations and clean-up of petroleum releases from underground storage tanks through implementation of the Local Oversight Program (LOP) contract with the State Water Resources Control Board.

Government Publication Date: Jul 07, 2016

Santa Cruz County CUPA Facility List:

[SANTACRUZ CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Santa Cruz County. This list is made available by Santa Cruz County Environmental Health Services (EHS) Division which has been designated as the CUPA for the County.

Government Publication Date: Jul 20, 2016

Shasta County CUPA Facility List:

[SHASTA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Shasta County. This list is made available by Shasta County Environmental Health Division which has been designated as the CUPA for Shasta County by CalEPA.

Government Publication Date: Aug 15, 2016

San Luis Obispo County CUPA Facilities List:

[SANLUI SOB CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Luis Obispo County. This list is made available by County of San Luis Obispo Environmental Health Services Division which has been designated as the CUPA for the County.

Government Publication Date: Aug 01, 2016

Solano County CUPA List:

[SOLANO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Solano. This list is made available by Solano County Environmental Health Division which has been certified by CalEPA to implement the Unified program as a CUPA.

Government Publication Date: Aug 04, 2016

Solano County Local Oversight Program List:

[SOLANO LOP](#)

A list of Leaking Underground Storage Tank (LUST) facilities in the Solano County. This list is made available by the Solano County Environmental Health Services. Since April 1993, the State Water Resources Control Board has contracted with the County of Solano to provide regulatory oversight for the cleanup of LUSTs under Local Oversight Program (LOP) contract.

Government Publication Date: Aug 04, 2016

Solano County Underground Storage Tanks List:

[SOLANO UST](#)

A list of all registered Underground Storage Tanks (USTs) in the County of Solano. The list is made available by Solano County Environmental Health Services Division. There are an estimated 190 facilities throughout the county that are subject to the regulatory requirements of the UST program.

Government Publication Date: Aug 04, 2016

Sonoma County CUPA Facilities List:

[SONOMA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Sonoma County. This list is made available by Sonoma County Hazardous Materials (HazMat) Division which has been designated as the CUPA for the County.

Government Publication Date: Jul 08, 2016

Sonoma County LOP Site List:

[SONOMA LOP](#)

A list of Leaking Underground Storage Tank (LUST) facilities in Sonoma County. This list is made available by Sonoma County Department of Health Services. Sonoma County Local Oversight Program (LOP) oversees the investigation and cleanup of fuel releases from underground storage tanks in all areas of the County with the exception of the Cities of Santa Rosa and Healdsburg.

Government Publication Date: Jul 01, 2016

Sonoma County Petaluma City CUPA Facilities:

[SONOMA PETAL](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Petaluma City, as well as Closed files including pre-CUPA sites. This list is made available by Petaluma Fire Prevention Bureau which is the CUPA for Petaluma City in Sonoma County.

Government Publication Date: Jul 26, 2016

Sutter County CUPA List:

[SUTTER CUPA](#)

A list of facilities associated with Aboveground Petroleum Storage Tank (APSA) regulation, Hazardous Materials Business Plan (HMBP) Program and Underground Storage Tank (UST) regulation of Certified Unified Program Agency (CUPA) programs in Sutter County. This list is made available by Sutter County Environmental Health Division which has been designated as the CUPA for the County.

Government Publication Date: Jul 15, 2016

Tuolumne County CUPA Facility List:

[TUOLUMNE CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Tuolumne County. This list is made available by Tuolumne County Environmental Health which is the CUPA for all areas of the County.

Government Publication Date: May 2, 2016

Ventura County CUPA Facilities List:

[VENTURA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Ventura County. This list is made available by Ventura County Environmental health Division.

Government Publication Date: Jul 28, 2016

Ventura County City of Oxnard CUPA Facility List:

[OXNARD CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Oxnard City. This list is made available by Oxnard City Fire Department which is the CUPA for Oxnard City in Ventura County.

Government Publication Date: May 04, 2016

Ventura County Inactive Underground Storage Tanks Sites:

[VENTURA INUST](#)

A list of inactive Underground Storage Tank (UST) sites in Ventura County. This list is made available by Ventura County Environmental Health Division.
Government Publication Date: Jul 21, 2016

Ventura County Leaking Underground Fuel Tanks - Historic:

[VENTURA HLUFT](#)

A historical list of cleanup oversight of the Leaking Underground Fuel Tank (LUFT) program provided by Ventura County Environmental Health Division. All new and existing underground fuel storage tank releases are now referred to the Los Angeles Regional Water Quality Control Board.
Government Publication Date: May 31, 2008

Yolo County UST List:

[YOLO UST](#)

A list of registered Underground Storage Tank (UST) sites in Yolo County. This list is made available by Yolo County Environmental Health Department which regulates the construction, operation, repair and removal of USTs throughout Yolo County.
Government Publication Date: Jul 25, 2016

Yuba County CUPA Facilities List:

[YUBA CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Yuba County. This list is made available by Yuba County Environmental Health Division which is the CUPA for all areas of the County.
Government Publication Date: Aug 03, 2016

City of Bakersfield CUPA List:

[BKRSFIELD CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Bakersfield. This list is made available by the City of Bakersfield Fire Department.
Government Publication Date: Jul 29, 2016

Gilroy City CUPA Facilities List:

[SANTA CLARA GIL](#)

The Gilroy City Fire Marshal's office maintains a list of CUPA Facilities located in Gilroy City.
Government Publication Date: Apr 26, 2016

Alpine County CUPA List:

[ALPINE CUPA](#)

The Alpine County Health Department has been certified by Cal / EPA to implement the Unified program and maintains a list of Certified Unified Program Agency (CUPA) facilities.
Government Publication Date: Feb 24, 2015

Glenn County CUPA List:

[GLENN CUPA](#)

The Glenn County Air Pollution Control District is the Administering Agency and the Certified Unified Program Agency (CUPA) for Glenn County with responsibility for regulating hazardous materials handlers, hazardous waste generators, underground storage tank facilities, above ground storage tanks, and stationary sources handling regulated substances.
Government Publication Date: Aug 02, 2016

Lassen County CUPA List:

[LASSEN CUPA](#)

The Environmental Health Program of Lassen County tracks Certified Unified Program Agencies (CUPA) facilities.
Government Publication Date: Jul 28, 2016

Mariposa County CUPA List:

[MARIPOSA CUPA](#)

Mariposa County Health Department, Environmental Health Services, is certified by Cal-EPA as the Certified Unified Program Agency (CUPA) that administers specific hazardous materials/hazardous waste programs.
Government Publication Date: Jun 23, 2016

Mendocino County CUPA Facilities List:

[MENDOCINO CUPA](#)

A list of Certified Unified Program Agency (CUPA) facilities in Mendocino County. This list is made available by the Mendocino County Environmental Health Division.
Government Publication Date: Jul 19, 2016

Plumas County CUPA List:

[PLUMAS CUPA](#)

In Plumas County, the Environmental Health Department is the designated Certified Unified Program Agency (CUPA) that consolidates and coordinates administrative activities such as permits, inspections, and enforcement. CUPA Programs include Hazardous Materials Business Plan (HMBP), Underground Storage Tanks (USTs), Above Ground Storage Tanks (AGTs), Hazardous Waste Generators (HWG) and CAL-ARP.

Government Publication Date: Apr 14, 2016

San Benito CUPA List:

[SAN BENITO CUPA](#)

The San Benito County Environmental Health Department maintains a list of all Certified Unified Program Agency (CUPA) facilities.

Government Publication Date: Aug 30, 2016

Siskiyou County CUPA List:

[SISKIYOU CUPA](#)

The Hazardous Materials Management Group of Siskiyou County's Environmental Health Division Certified Unified Program Agency (CUPA) regulates underground tanks, hazardous materials (including but not limited to: hazardous substances, hazardous waste, and any material which a handler or the CUPA has reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment.

Government Publication Date: May 18, 2016

Stanislaus County CUPA List:

[STANISLAUS CUPA](#)

The Environmental Resources Department of Stanislaus County maintains a list of Certified Unified Program Agency (CUPA) facilities.

Government Publication Date: Aug 03, 2016

Tehama County CUPA List:

[TEHAMA CUPA](#)

The Environmental Health Department of Tehama County keeps a list of all Certified Unified Program Agency (CUPA) facilities within the county.

Government Publication Date: Aug 03, 2016

Trinity County CUPA List:

[TRINITY CUPA](#)

On January 1, 2005, the Department of Toxic Substances Control (DTSC) was authorized by the California Environmental Protection Agency (Cal/EPA) as the Trinity County Certified Unified Program Agency (CUPA). This CUPA list was made available by the DTSC.

Government Publication Date: Jul 08, 2016

Tulare County CUPA List:

[TULARE CUPA](#)

The Certified Unified Program Agency (CUPA) unifies and consolidates under one roof the various requirements for businesses handling hazardous materials, generating or treating hazardous wastes, or operating aboveground or underground storage tanks. CUPA thereby enhances consistency, reduces duplication, and simplifies compliance for the regulated public. The Tulare County Environmental Health Division was certified as a CUPA in December, 1996.

Government Publication Date: Jul 07, 2016

Los Angeles County - Santa Monica City Underground Storage Tank List:

[SANTA MONICA UST](#)

A list of registered active Underground Storage Tanks (USTs) in the City of Santa Monica made available by Santa Monica Fire Prevention Division.

Government Publication Date: Jul 22, 2016

Los Angeles County - Santa Monica City Hazardous Waste Facilities:

[HWFS](#)

A list of Hazardous Waste Facilities in Los Angeles County, City of Santa Monica. This list is made available by Santa Monica Fire Prevention Division.

Government Publication Date: Aug 01, 2016

Los Angeles County - Santa Monica City Aboveground Storage Tank List:

[ASTS](#)

A list of all registered Aboveground Storage Tanks (ASTs) in the City of Santa Monica of Los Angeles County. The list is made available by Santa Monica Fire Department.

Government Publication Date: Aug 01, 2016

Los Angeles County - Santa Monica City Hazardous Materials Facilities:

[HWMS](#)

A list of Hazardous Materials Facilities in the City of Santa Monica, Los Angeles county. This list is made available by Santa Monica Fire Prevention Division which has been designated as the CUPA for the City.

Government Publication Date: Aug 01, 2016

Los Angeles County - Santa Monica City CUPA Facilities List:

[SANTA MONICA CUPA](#)

The Santa Monica Fire Department's office maintains a list of CUPA Facilities located in Santa Monica city.

Government Publication Date: Aug 01, 2016

Los Angeles County - Burbank City CUPA List:

[BURBANK CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Burbank. This list is made available by the City of Burbank Fire Department.

Government Publication Date: Aug 09, 2016

San Leandro City CUPA Facilities List:

[SAN LEANDRO CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Leandro City, Alameda County. This list is made available by San Leandro City Environmental Services Section.

Government Publication Date: Aug 17, 2016

Santa Barbara County Site Mitigation Unit (SMU) Master Site List:

[SANTA BARB SMU](#)

The Site Mitigation Unit Program (SMU) oversees the assessment and mitigation of hazardous substances releases that occur (which are not related with the Leaking Underground Fuel Tank Program). The SMU Master Site List is maintained by the Santa Barbara County Public Health Department Environmental Health Services Division.

Government Publication Date: Aug 04, 2016

Napa County LOP Site List:

[NAPA LOP](#)

A list of Local Oversight Program (LOP) sites (leaking underground storage tanks) in Napa County. This list is maintained by the Napa County Environmental Health Division

Government Publication Date: Jul 21, 2016

City of Berkeley CUPA Facilities:

[BERKELEY CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs at the City of Berkeley in Alameda County. This list is maintained by the Toxics Management Division at the City of Berkeley.

Government Publication Date: Jul 21, 2016

City of San Jose Hazardous Material Facilities:

[SAN JOSE HM](#)

A list of facilities with hazardous materials, including underground and aboveground tanks. This list is maintained by the City of San Jose Fire Department.

Government Publication Date: Jul 25, 2016

Calaveras County Underground Storage Tanks List:

[CALAVERAS UST](#)

A list of Underground Storage Tanks (UST) in Calaveras County provided by the Calaveras County Environmental Health Department.

Government Publication Date: Aug 16, 2016

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index:

[FINDS/FRS](#)

The US Environmental Protection Agency (EPA)'s Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, data collected from EPA's Central Data Exchange registrations and data management personnel.

Government Publication Date: Mar 9, 2016

Toxics Release Inventory (TRI) Program:

[TRIS](#)

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Dec 31, 2014

Hazardous Materials Information Reporting System:

HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: May 10, 2016

National Clandestine Drug Labs:

NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: May 17, 2016

Inventory of Open Dumps, June 1985:

ODI

The Resource Conservation and Recovery Act (RCRA of the Act) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

EPA Report on the Status of Open Dumps on Indian Lands:

IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

Toxic Substances Control Act:

TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Jun 30, 2014

Hist TSCA:

HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: 2006

FTTS Administrative Case Listing:

FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Nov 12, 2013

State Coalition for Remediation of Drycleaners Listing:

SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. It is comprised of states with established drycleaner remediation programs. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: May 09, 2016

Integrated Compliance Information System (ICIS):

ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: May 24, 2016

Drycleaner Facilities:

FED DRYCLEANERS

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 20, 2016

Formerly Used Defense Sites:

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Dec 31, 2013

Material Licensing Tracking System (MLTS):

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC.

Government Publication Date: Jul 13, 2016

Historic Material Licensing Tracking System (MLTS) sites:

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Feb 19, 2016

State

EnviroStor Inspection, Compliance, and Enforcement:

INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Jul 15, 2016

Clandestine Drug Lab Sites:

CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/ clandestine drug laboratories.

Government Publication Date: Dec 31, 2015

School Property Evaluation Program Sites:

SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Jul 19, 2016

California Hazardous Material Incident Report System (CHMIRS):

CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jun 03, 2016

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report:

SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Hazardous Waste Manifest Data:

HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 2, 2015

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels:

SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

List of Hazardous Waste Facilities Subject to Corrective Action:

DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

Historical Hazardous Waste Manifest Data:

HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

Historical California Hazardous Material Incident Report System (CHMIRS):

HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Cease and Desist Orders and Cleanup and Abatement Orders:

CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Feb 16, 2012

Drycleaner Facilities:

DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: May 20, 2016

Tribal

No Tribal additional environmental record sources available for this State.

County

Los Angeles County Site Mitigation List:

[LA SML](#)

A Site Mitigation List in the County of Los Angeles. The list is made available by Los Angeles County Fire Department. Site mitigation is handled by the Site Mitigation Unit (SMU) which facilitates completion of site clean-up projects of contaminated sites in an expeditious manner in all cities of the Los Angeles County except El Segundo, Glendale, Long Beach, Santa Fe Springs, and Vernon.

Government Publication Date: Jun 23, 2015

Riverside County Disclosure Facility List:

[RIVERSIDE HZH](#)

A list of facilities disclosed to Riverside County Department of Environmental Health (DEH). This list is made available by Riverside County DEH which has been designated as the CUPA for the County. A business is required to establish and submit a Business Plan if the facility handles hazardous material equal to or greater than 55 gallons, 500 pounds or 200 cubic feet at any time during the year.

Government Publication Date: May 18, 2016

Riverside County Hazardous Waste Generator Sites List:

[RIVERSIDE HWG](#)

A list of Hazardous Waste Generator Sites in the County of Riverside. This list is made available by Riverside County Department of Environmental Health which has been designated as the CUPA for the County.

Government Publication Date: May 18, 2016

San Joaquin County Hazardous Materials Facilities List:

[SANJOAQUIN HM](#)

A list of Hazardous Materials Facilities in San Joaquin County. This list is made available by San Joaquin County Environmental Health Department which has been designated as the CUPA for the County.

Government Publication Date: Jul 22, 2016

Ventura County Hazardous Material Release (Prop 65) Sites:

[VENTURA HAZR](#)

A historic list of hazardous material releases from the Hazardous Material Release Report collected by the Environmental Health Division of Ventura County. As per the department this report contains records from 1987 to 2014.

Government Publication Date: 1987 - 2014

Ventura County Inactive Hazardous Waste Sites:

[HW INACTIVE](#)

A list of Inactive Hazardous Waste Sites in Ventura County collected by Ventura County's Environmental Health Division.

Government Publication Date: Jun 28, 2016

Delisted County Records:

[DELISTED COUNTY](#)

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Aug 24, 2016

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.