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APPENDIX M

WASTE MANAGEMENT

APPENDIX M-1

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

FOR THE
MANDALAY GENERATING STATION SITE

VENTURA COUNTY, CALIFORNIA

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ACRONYMS

AAI	All Appropriate Inquiries
ACMs	asbestos-containing materials
AOPC	area of potential concern
APN	Assessor's Parcel Number
ASCI	Asbestos Standards for the Construction Industry
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
bgs	below ground surface
Cal/EPA	California Environmental Protection Agency
CalRecycle	California Department of Resources Recycling and Recovery
CAM	California Assessment Manual (Metals)
CCR	California Code of Regulations
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CFR	Code of Federal Regulations
CREC	controlled recognized environmental condition
CUPA	Certified Unified Program Agency
CWC	California Water Code
DTSC	Department of Toxic Substances Control
EDR	Environmental Data Resources, Inc.
ESA	Environmental Site Assessment
HDPE	high-density polyethylene
HMBP	Hazardous Materials Business Plan
HREC	historical recognized environmental condition
LBP	lead-based paint
MGS	Mandalay Generating Station
msl	mean sea level
MW	megawatts
NOV	Notice of Violations
NPDES	National Pollutant Discharge Elimination System
NRG	NRG Energy
PAH	polynuclear aromatic hydrocarbon
PCBs	polychlorinated biphenyls
pCi/L	picocuries per liter
ppm	parts per million
RCRA	Resource Conservation and Recovery Act of 1976
REC	recognized environmental condition
RMP	Risk Management Plan
RWQCB	Regional Water Quality Control Board
SCE	Southern California Edison

SCR	selective catalytic reduction
SPCC	Spill Prevention, Control, and Countermeasures
Stipulation	Stipulation Number BC 121219
TPH	total petroleum hydrocarbons
TPH-D	total petroleum hydrocarbons as diesel
TSCA	Toxic Substances Control Act
TSDF	treatment, storage, and disposal facility
USEPA	United States Environmental Protection Agency
USGS	U.S. Geological Survey
UST	underground storage tank
VCP	Voluntary Cleanup Program
VEC	Vapor Encroachment Condition
VES	Vapor Encroachment Screening
VOCs	volatile organic compounds
WMUD	Waste Management Unit Database

EXECUTIVE SUMMARY

This report presents the results of a Phase I Environmental Site Assessment (ESA) of the Mandalay Generating Station (MGS) site, an approximately 36-acre property at 393 North Harbor Boulevard, Oxnard, in Ventura County, California (property). The ESA was conducted by AECOM to gather information concerning the property and surrounding areas to identify conditions indicative of releases or threatened releases of hazardous substances, pollutants, contaminants, petroleum or petroleum products, and controlled substances to identify and evaluate recognized environmental conditions (REC) affecting the property. This Phase I ESA was accomplished by, and limited to, a site reconnaissance, a site vicinity perimeter survey, and review of agency databases and other reasonably ascertainable records regarding past and current land use for indications of the manufacture, generation, use, storage and/or disposal of hazardous substances at the property.

The format and content of this Phase I ESA are in general accordance with American Society for Testing and Materials (ASTM) International Standard Practice for *Environmental Site Assessments: Phase I Site Assessment Process E 1527-13* approved on November 1, 2013; and the U.S. Environmental Protection Agency (USEPA) All Appropriate Inquiries *Standards and Practices for All Appropriate Inquiries – Final Rule: [40 Code of Federal Regulations (CFR) Part 312],* approved November 1, 2006, and amended on December 30, 2013.

At the time of the site reconnaissance, the property was observed to be approximately 36 acres of land developed with an electrical power-generating station. The property was observed to include two natural-gas–fired steam turbine units and one gas turbine peaking unit and associated powerblock equipment; an administrative building; a maintenance shop/warehouse building; numerous storage areas and buildings; three retention basins; a cooling-water canal; aboveground storage tanks (ASTs); pipelines; electrical switching and transmission features; transformers; asphalt-and-concrete–paved driveways and parking lots; minor landscaped areas; and areas of undeveloped land.

The property is at 393 North Harbor Boulevard, Oxnard, in Ventura County, California, in Section 36, Township 2 North, Range 23 West, and Section 1, Township 1 North, Range 23 West, in the Mount Diablo Base and Meridian (U.S. Geological Survey Oxnard/Oxnard OE California 7.5-minute quadrangle). The property consists of Assessor's Parcel Number 183-0-022-025. The property is bounded by North Harbor Boulevard to the east, undeveloped land and McGrath Lake to the north, the Pacific Ocean to the west, and industrial use to the south (including a petrochemical facility and the McGrath Peaker Plant).

The property was historically undeveloped land consisting of beach dunes. The primary construction of the MGS was from 1956 to 1958, and included Units 1 and 2 and associated

structures and equipment. Unit 3 was constructed in the early 1970s. The units were originally oil/distillate-fueled generating units.

Hazardous materials typical of a natural-gas–fired power plant are used at the MGS facility and stored in ASTs, drums, and small containers. The electric-generating units are fueled by natural gas. Electric transformers on site contain dielectric oil. Ammonium hydroxide, hydrazine, sodium hydroxide, and tri-sodium phosphate are used for boiler water chemical control. Sodium nitrate is used as a corrosion inhibitor in the equipment cooling-water system. Sodium hypochlorite is used to treat the circulating water system. Gasoline and diesel are used for fueling vehicles and equipment. Various solvents, paints, lubricants, and compressed gases are used in the servicing and maintenance of equipment. Aqueous ammonia (ammonium hydroxide) (29 percent) is used for the Selective Catalytic Reduction System for the control of oxides of nitrogen emissions. Industrial processes involving hazardous materials are either enclosed with covered structures or surrounded by secondary containment structures. The facility maintains a Hazardous Materials Business Plan (HMBP) with the City of Oxnard Fire Department Certified Unified Program Agency (CUPA). The HMBP includes a chemical inventory and emergency response procedures. Oil storage and receiving procedures and oil spill prevention and response procedures are outlined in the facility's Spill Prevention, Control and Countermeasure Plan, dated July 2010 and revised March 2014. MGS has implemented a Risk Management Plan (RMP) dated June 19, 2014 for the storage and use of aqueous ammonia. According to the RMP, there have been no known USEPA reportable incidents, system failures, or abnormal conditions in the past 5 years. Hazardous materials reportedly used and stored at the MGS facility are summarized in Table 2, Hazardous Materials Use and Storage. Staining and discolored surfaces were observed beneath oil-containing equipment in the Unit powerblock area of the station. No other leaks or staining were observed during the site reconnaissance.

Hazardous wastes generated at the facility are summarized in Table 3, Hazardous Waste Generated at the Facility. The facility maintains a USEPA ID# for the generation of hazardous waste. Hazardous wastes are accumulated in satellite accumulation areas throughout the facility, or in the hazardous waste accumulation area to the north of the maintenance shop/warehouse building. The hazardous waste accumulation area floor is constructed of concrete and surrounded by a 6-inch concrete curb. It is covered and secured with perimeter fencing, and is reportedly locked when not in use. AECOM observed various 55-gallon drums of hazardous waste, and fiber drums and cans of universal waste during the site reconnaissance. The containers of hazardous waste were observed to be closed and labeled. No leaks or stains were observed in the hazardous waste accumulation area.

All drains in the powerblock structures are pumped into onsite retention basins. All storm drains on the peripheral areas of the facility are also routed into the retention basins. These include the north basin, the south basin, and the former boiler chemical cleaning basin. The north and south retention basins are currently used to collect and store nonhazardous

wastewater from the facility. The wastewater collected in the retention basins is reported to contain minor amounts of oil, grease, and suspended solids, and is systematically discharged to the ocean under the provisions of a National Pollutant Discharge Elimination System (NPDES) Permit. The retention basins are discharged to the ocean in accordance with the discharge requirements of the MGS NPDES Permit CA0001180 for withdrawal and discharge. The three basins were installed in 1977. The basins were originally constructed with a single asphaltic concrete liner. In the 1980s, a single layer of a synthetic liner (high-density polyethylene [HDPE]) was installed in the three basins, using the existing asphalt liner as a base. The boiler chemical cleaning basin was retrofitted in 1989, with a double liner of HDPE and a leachate collection system. The boiler chemical cleaning basin has been out of service since 1986, and currently collects and evaporates rainwater, which has no outlet. Prior to 1986, the boiler chemical cleaning basin was used to temporarily hold (for less than 30 days) acidic cleaning solutions derived from the removal of corrosion and mineral deposits from the boiler tubes.

A Final Judgment pursuant to Stipulation Number BC 121219 (the Stipulation), handed down by the Superior Court of California, Los Angeles County, on February 1, 1995, alleged that Southern California Edison (SCE) had stored hazardous wastes in unpermitted surface impoundments and associated sumps. Forty-seven wells have been installed at the MGS facility as part of the groundwater monitoring system for the retention basins. Groundwater samples are currently collected at 38 of the wells, with the remaining nine wells only used for groundwater level measurements. The groundwater gradient indicated a flow to the south-southeast beneath the basins. The evaluation monitoring wells have reportedly compiled sufficient data to characterize the multi-metal plume. Under the direction of the Department of Toxic Substances Control (DTSC), field investigations were performed in and around the retention basin site to characterize soil, soil gas, and groundwater in the area where historical boiler chemical cleaning operations impacted the area. A Closure Plan was prepared and approved by the DTSC in 2007, and is currently being implemented.

Due to the operation of the surface impoundment, and the Stipulation handed down from the state, the MGS facility is subject to Resource Conservation and Recovery Act (RCRA) corrective action and closure requirements per California Health and Safety Code, Sections 25187 and 25200.10. SCE is responsible for developing a schedule to implement facility RCRA corrective action and closure requirements.

The existing domestic waste system collects discharge from sinks, toilets, and other sanitary facilities, and discharges to MGS' existing sanitary sewer collection system, which consists of septic tanks and a leach field.

Pipelines on the property are currently and have historically been used to transport distillate and lube oil. Most pipelines at the facility were reported to be aboveground. Subsurface piping was reportedly installed in the 1970s. According to the previous Phase I ESA

conducted on the property, SCE suspected that some leaking may have occurred, and that soil remediation would likely be required around the piping.

Previous environmental investigations of the MGS facility identified known and potential subsurface impacts on the property and adjacent properties. These areas included the onsite retention basins; aboveground fuel ASTs; the peaker unit (Unit 3) fuel pumping area; transformers and switchyards; pipelines, dredge soil piles, and the powerblock perimeter; the oil/water separator and collection sump; and the adjacent petroleum facility.

A review of available environmental databases searched by Environmental Data Resources, Inc. (EDR) indicates the property was identified on the Treatment, Storage and Disposal Facility (RCRA-TSDF), Small-Quantity Generator (RCRA-SQG), AST, Financial Assurance Information (US FIN ASSUR), Aerometric Information Retrieval System Facility Subsystem (US AIRS), Waste Discharge System (WDS), Large-Quantity Generator (RCRA-LQG), Facility Index System (FINDS), RMP, Underground Storage Tank (UST), Historic Gas Stations (US Hist Auto Stat), Emergency Response Notification System (ERNS), Facility and Manifest Data (HAZNET), Facility Inventory Database (CA FID UST), Statewide Environmental Evaluation and Planning System (SWEEPS UST), California Hazardous Material Incident Report System (CHMIRS), Toxic Pits Cleanup Act Sites (Toxic Pits), Emissions Data Inventory (EMI), NPDES, Enforcement Action Listing (ENF), and Historical UST (HIST UST) databases. Information regarding these listings is summarized in Section 6.1, Database List Search. Based on the information reported, and indications of potential release of hazardous materials to the subsurface of the property, environmental concerns were identified. Identified RECs are summarized below.

Several facilities in the site vicinity were identified on the various databases searched by EDR. Facilities in the site vicinity that were identified on the EDR database report are not anticipated to have impacted the property (see Section 6.1, Database List Search, for additional information).

AECOM has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527 for the MGS Site in Ventura County, California. Any exceptions to or deletions from this practice are described in Sections 1.3 and 1.5. This assessment has revealed the following RECs associated with the property.

- A Final Judgment pursuant to the Stipulation handed down by the Superior Court of California, Los Angeles County, on February 1, 1995, alleged that SCE had stored hazardous wastes in unpermitted surface impoundments and associated sumps. In 1995, SCE implemented a Water Quality Monitoring Program on the property. Forty-seven wells were installed at the MGS facility as part of the groundwater monitoring system for the retention basins. Field investigations have been performed in and around the retention basin site to characterize soil, soil gas, and groundwater in the area where

historical boiler chemical cleaning operations impacted the area. According to the approved Closure Plan, the soil at the retention basin site had been characterized as sufficient to proceed with site remediation and closure. The Closure Plan also indicated that groundwater at the retention basin site had been characterized, and the data collected were sufficient to proceed with site remediation and closure. According to a briefing report provided by Mr. Steven Rounds (MGS Case Worker with the DTSC) on March 6, 2015; in 2007, the Closure Plan was approved by DTSC, passed public comment period, and the approved remedy is currently being implemented. As part of the approved remedy, the DTSC gave approval for the removal of contaminated soil, which was performed in 2011. A Land Use Covenant will reportedly be put in place, restricting the use of groundwater pumped from the site. According to the DTSC EnviroStor database, the Remedial Action Completion Report is due on April 30, 2015.

- Impacts to soil were identified beneath the 21,000-barrel distillate tank on the southern boundary of the property. Previous investigations of soil performed beneath and around the AST indicated the petroleum hydrocarbons were detected in soil to a maximum depth of 6 inches. The report concluded that the soil beneath the tank had been impacted with oil that was placed during construction for corrosion protection. The soil was further analyzed for waste profile characteristics, and it was reported that the soil would not be considered hazardous waste. It was recommended that petroleum-impacted soil be left in place. Based on a letter from the Los Angeles Regional Water Quality Control Board (RWQCB) dated May 26, 1995, the RWQCB reportedly concurred that the soil could be left in place until the tank was decommissioned and removed from the site.

- Based on past industrial practices and activities at the facility, there is the potential for subsurface impacts to areas in the MGS that were not previously assessed and remediated. These areas include, but are not limited to, the powerblock area around Units 1, 2, and 3, the transformer areas, former insulator test facility, pipeline areas, oil pumping areas, historical dredge spoil pile areas, the oil/water separator and collection sump, and the AST and chemical storage areas.

- There is the potential for subsurface impacts to the MGS facility from adjacent properties, including the former tank farm area to the south of the property; the petrochemical facility to the south of the property; and the SCE switchyard to the east of the property.

This assessment has revealed the following historical recognized environmental conditions (HRECs) associated with the property:

- A 1,000-gallon gasoline UST was removed from the property in 1995, and the County of Ventura Environmental Health Division determined that cleanup of the UST area was complete. No further action was recommended for the former UST area.

- The submarine pipeline valve pit area was previously investigated by SCE for suspected total petroleum hydrocarbons (TPH)-impacted soil. This area was reportedly remediated by SCE in 1992.

No controlled recognized environmental conditions (CRECs) were identified associated with the property.

It should be noted that based on AECOM's findings, the potential for a vapor encroachment condition (VEC) exists for the property. In addition, the potential for a VEC cannot be ruled out for the adjacent properties due to their current or previous operations, and several of the facilities identified on the EDR Report.

Data gaps identified during the Phase I ESA did not inhibit AECOM's evaluation for the potential of RECs at the property, and therefore do not alter the conclusions of this report.

Closure activities associated with prior operations of the retention basins and associated appurtenances on the MGS property are currently SCE's obligation under the Stipulation, and as the previous owner of the MGS.

This Executive Summary is not intended to be a "stand-alone" document, but a summary of findings as described in the Phase I ESA report. Its use is intended to be in conjunction with the findings and limitations described therein.

SECTION 1.0
INTRODUCTION

Presented in this report are the results of the Phase I Environmental Site Assessment (ESA) conducted by AECOM of the Mandalay Generating Station (MGS) Site at 393 North Harbor Boulevard, Oxnard, in Ventura County, California (property). At the time of AECOM's site visit, the property encompassed approximately 36 acres of land consisting of the Mandalay Generating Station, associated structures and equipment, parking areas, and areas of undeveloped land. This assessment was accomplished by, and limited to, a reconnaissance of the site, a perimeter survey of the site vicinity, a review of previous environmental investigations, and review of agency databases and other reasonably ascertainable information regarding past and current land use for indications of the manufacture, generation, use, storage, and/or disposal of hazardous substances at the property.

1.1 ASTM STANDARD AND ALL APPROPRIATE INQUIRIES

The format and content of this Phase I ESA are in general accordance with the American Society for Testing and Materials (ASTM) International Standard Practice for *Environmental Site Assessments: Phase I Site Assessment Process E1527-13* (ASTM, 2013) approved on November 1, 2013; and the U.S. Environmental Protection Agency (USEPA) All Appropriate Inquiries (AAI) *Standards and Practices for All Appropriate Inquiries – Final Rule: [40 Code of Federal Regulations (CFR) Part 312]*, approved November 1, 2006, and amended on December 30, 2013.

1.1.1 All Appropriate Inquiries

The USEPA Rule on AAI was developed to establish federal regulatory requirements for conducting all appropriate inquiries into the previous ownership, uses, and environmental condition of the property for the purposes of qualifying for landowner liability protections to property owners under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as innocent landowners, bona fide prospective purchasers, and/or contiguous property owners. The Final Rule was published in the Federal Register on November 1, 2005; went into effect on November 1, 2006; and was amended on December 30, 2013. The 2013 amendment provides that the ASTM Standard E1527-13 is consistent with the AAI statutory requirements and may be used to comply with the provisions of the AAI Final Rule.

1.1.2 ASTM Standard

The ASTM Standard was approved by ASTM International on November 1, 2013, and was approved by the USEPA on December 30, 2013.

The goal of the ASTM Standard is to identify Recognized Environmental Conditions (RECs). The ASTM Standard E1527-13 defines a REC as:

- The presence or likely presence of any hazardous substance or petroleum products in, on, or at a property: 1) due to release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment. Conditions determined to be *de minimis* are not RECs.

A CREC is identified as a REC that has been addressed to the satisfaction of a regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, activity and use limitations, institutional controls, or engineering controls).

A HREC is identified as a REC that has been addressed to the satisfaction of a regulatory authority to meet unrestricted land use standards, without the need for controls such as property use restrictions, institutional controls, or engineering controls.

A *de minimis* condition is defined as a condition that generally does not present a threat to human health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

1.2 PURPOSE

The purpose of the Phase I ESA is to gather information concerning the property and surrounding areas in order to identify conditions indicative of releases or threatened releases of hazardous substances, pollutants and contaminants, petroleum or petroleum products, and controlled substances.

1.3 SCOPE OF SERVICES

The format and content of this Phase I ESA are in general accordance with the ASTM Standard E1527-13 and the USEPA AAI.

The Phase I ESA was accomplished by a site reconnaissance that included a driving and walking tour of the property; a perimeter survey of surrounding and accessible adjacent properties; and review of pertinent documentation available through AECOM's standard resources regarding past and current land use for indications of the manufacture, generation, use, storage, and/or disposal of hazardous substances. To meet the objective of this Phase I ESA, AECOM completed the following tasks:

- Performed a reconnaissance survey of the property to make visual observations of existing site conditions and activities, and a perimeter survey of the area within 0.25 mile

of the property (as practical) to observe types of general land use. Photographs of the property are provided in Appendix A.

- Reviewed and interpreted archival topographic maps of the property and the area within 0.5 mile of the property for information regarding historical land use potentially involving the manufacture, generation, use, storage and/or disposal of hazardous substances. Environmental Data Resources, Inc. (EDR) historical topographic maps are included in Appendix B.

- Reviewed and interpreted available historical aerial photographs of the property and vicinity for evidence of previous site activities and development that would suggest the potential presence of hazardous substances at the property. The EDR Aerial Photo Decade Package is included in Appendix C.

- Reviewed historical city directories for the property and site vicinity provided by EDR. The City Directory Abstract is provided in Appendix D.

- Reviewed pertinent, available documents and maps regarding local physiographic and hydrogeologic conditions in the property vicinity.

- Reviewed the federal, state, and local database list search provided by EDR of known or potential hazardous waste sites or landfills, and sites currently under investigation for environmental violations. The agency lists and area search results are provided in Appendix E.

- Reviewed and interpreted previous environmental investigations regarding the property.

- Conducted inquiries in person, by telephone, or in writing to the appropriate regulatory agencies for information regarding environmental permits, violations or incidents, and/or the status of enforcement actions at the property.

- Conducted an environmental lien search to determine potential environmental liens or other activity and use limitations associated with the property. The EDR Environmental Lien Search is provided in Appendix F.

- Completed the *AAI User Questionnaire* during the site reconnaissance, based on interviews with site representatives, to obtain specialized knowledge of site conditions. The completed *AAI User Questionnaire* is included in Appendix G.

- Conducted an escorted site reconnaissance and conducted interviews with Mr. John Mihatov, Mr. George Murr, and Ms. Julie Babcock with NRG, and site representatives for the property, to obtain specialized knowledge of current and historical site conditions.

- Prepared this report describing the research performed and presenting AECOM's findings and professional opinions regarding the potential for adverse environmental impacts to the property.

1.4 USER RELIANCE

This report was prepared for use by NRG, and shall not be relied upon by or transferred to any other party, or used for any other purpose, without the express written authorization of AECOM. This Phase I ESA is applicable for 180 days.

1.5 LIMITATIONS AND EXCEPTIONS

This report and the associated work were provided in accordance with the principles and practices generally employed by the local environmental consulting profession. This is in lieu of all warranties, expressed or implied.

Discussions of the ASTM Standard or AAI data gaps, if any, including sources reviewed, the significance of each data gap, and an opinion as to whether the data gap inhibits the environmental professional's ability to reach a conclusion about contamination at the property, are incorporated into the appropriate sections of the report, and summarized in Table 1, Data Gaps, in Section 1.6.

It should be understood that this Phase I ESA was not intended to be a definitive investigation of potential contamination at the property, and the recommendations provided are not necessarily inclusive of all the possible conditions. This Phase I ESA is not a regulatory compliance audit or an evaluation of the efficiency of the use of any hazardous materials at the property. Soil and/or groundwater sampling was not undertaken as part of this investigation. The Phase I ESA did not include non-scope considerations listed in Section 13.1.5 of E1527-13, including asbestos-containing building materials, biological agents, cultural and historical resources, ecological resources, endangered species, health and safety, indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment, industrial hygiene, lead-based paint, lead in drinking water, mold, radon, regulatory compliance, and wetlands. Non-scope considerations may represent a business environmental risk to the property. A business environmental risk is defined by ASTM as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice." Given that the Scope of Services for this investigation was limited, it is possible that unobserved contamination might exist.

The conclusions presented are professional opinions based solely upon indicated data described in this report, visual site and vicinity observations, and the interpretation of the available historical information and documents reviewed, as described in this report. Unless

AECOM has actual knowledge to the contrary, information obtained from interviews or provided to AECOM by the client was assumed to be correct and complete. AECOM does not assume any liability for information that was misrepresented to AECOM by others or for items not visible, accessible or present on the property during the time of the site reconnaissance. The conclusions are intended exclusively for the purpose outlined herein, and the site location and project indicated. The executed Scope of Services may not be appropriate to satisfy the needs of other users, and any use or reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said user.

Opinions and recommendations presented herein apply to the site conditions existing at the time of this assessment, and cannot necessarily apply to site changes of which AECOM is not aware and has not had the opportunity to evaluate. Changes in the conditions of this property may occur with time due to natural processes or the works of man on the property or adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond AECOM's control. Opinions and judgments expressed herein are based on AECOM's understanding and interpretation of current regulatory standards, and should not be construed as legal opinions.

1.6 DATA GAPS

During the assessment, AECOM identified data gaps that may have the potential to impact the conclusions of this Phase I ESA. A description of the data gaps is provided in Table 1, as along with AECOM's opinion as to whether they may alter the conclusions of this Phase I ESA.

The data gaps identified in Table 1 are not expected to alter the conclusions of this Phase I ESA.

TABLE 1
DATA GAPS

Condition	Data Gap (Yes/No)	Description/Opinion
Data failure – uses of the property to first-developed use (included agricultural use) or 1940, whichever is earlier	Yes	Available historical sources indicate that the property was undeveloped until 1958, when it was developed as a power plant. It is AECOM's opinion that the historical data gap does not inhibit AECOM's evaluation of historical information or the potential of RECS at the property, and therefore it does not alter the conclusions of this report.
Data failure – historical uses of the property due to lack of information available (i.e., in 5-year intervals)	Yes	A historical data gap (intervals greater than 5 years of historical sources) was identified during the review of historical documentation for the property. However, it is AECOM's opinion that the historical data gap does not inhibit AECOM's evaluation of historical information or the potential of RECs at the property, and therefore it does not alter the conclusions of this report.
Data gap – interviews	Yes	Past owners of the property were not available for interview. In addition, occupants or owners of adjacent properties were not available to interview. It is AECOM's opinion that this data gap does not inhibit AECOM's evaluation for the potential of RECs at the property, and therefore it does not alter the conclusions of this report.
Data gap – user-provided information	No	No user-provided Information data gap was identified.
Data gap – environmental liens	No	No environmental liens data gap was identified.
Limiting conditions – vegetation/ forest	No	No limiting conditions were encountered due to overgrown vegetation or forested areas.
Limiting condition – weather (snow, rain)	No	No limiting conditions were encountered due to the weather.
Limiting condition – storage/ active facility	No	No limiting conditions were encountered due to storage of goods or activities conducted on site.
Limiting condition – access limitations (inaccessible rooms)	Yes	AECOM did not obtain access to the area of the bulk oil storage AST on the southern boundary of the property due to a locked gate. The AST is reportedly not in service. It is AECOM's opinion that this data gap does not inhibit AECOM's evaluation for the potential of RECs at the property, and therefore it does not alter the conclusions of this report.
Other	No	None.

SECTION 2.0
SITE DESCRIPTION

2.1 LOCATION

The property is at 393 North Harbor Boulevard, Oxnard, in Ventura County, California in Section 36 of Township 2 North, Range 23 West; and Section 1 of Township 1 North, Range 23 West, in the Mount Diablo Base and Meridian (U.S. Geological Survey [USGS] Oxnard/Oxnard OE California 7.5-minute quadrangle). The property is bounded by North Harbor Boulevard to the east, undeveloped land and McGrath Lake to the north, the Pacific Ocean to the west, and industrial use to the south (including a petrochemical facility and the McGrath Peaker Plant).

A site vicinity map and aerial project location map are included as Figures 1 and 2, respectively.

2.2 FEATURES/USE

The property consists of approximately 36 acres, and includes Assessor's Parcel Number (APN) 183-0-022-025.

MGS currently operates two conventional steam turbine units (Units 1 and 2) and one gas combustion turbine unit (Unit 3). MGS Units 1 and 2 were constructed in the 1950s, and have a combined generating capacity of 430 megawatts (MW). MGS Unit 3 is a gas turbine unit that was commissioned in 1970, and has a generating capacity of approximately 130 MW. The turbine units refer to the part of the generating station where natural gas fuel is converted to electricity. Turbine units (powerblocks) include boilers, tanks, turbines, and various mechanical equipment and vessels, battery rooms, lube oil rooms, elevators, sumps, and control rooms and equipment. Associated buildings include a 42,000-square-foot administrative building, an 18,600-square-foot maintenance shop/warehouse building, several storage buildings, three retention basins, parking areas, and undeveloped land. The boilers for Unit 1 and 2 use condensers to convert used steam back into condensate. The condensers use noncontact once-through cooling water to cool the steam back into condensate. The once-through cooling water for Units 1 and 2 is ocean water conveyed via the 2.5-mile-long Edison Canal from the Channel Islands Harbor. The generating station cooling water intake is from the Edison Canal.

The property was graded during the development of the MGS in the 1950s, The property is bordered by sand dunes on the west. An artificial berm was constructed along the northern and eastern edges of the property in the early 1970s to protect the facility from flooding.

2.3 SITE VICINITY AND ADJACENT PROPERTIES

The property is in an area that is primarily undeveloped and industrial use in Ventura County (Figures 1 and 2). In general, prominent adjacent land uses are as follows:

- North: undeveloped land and McGrath Lake.
- South: industrial use (including a petrochemical facility and the McGrath Peaker Plant), followed by residential use.
- East: Mandalay Switchyard owned by SCE, North Harbor Boulevard.
- West: Pacific Ocean.

AECOM did not observe activities that would indicate the potential of surface or subsurface impacts to the property from adjacent properties.

SECTION 3.0
PHYSICAL SETTING

AECOM reviewed pertinent maps and readily available literature for information on the physiography and hydrogeology of the property. A summary of this information is presented in the following subsections.

3.1 TOPOGRAPHY

The property is on the western edge of the gently sloping Oxnard coastal plain in a large agricultural region. The surface topography of the property and site vicinity is relatively flat, with dune sand and coastal vegetation. The facility is bordered by sand dunes and an artificial berm that are elevated up to approximately 30 feet above mean sea level (msl). The elevation of the property is approximately 10 to 14 feet above msl (SCE, 2011).

3.2 SURFACE WATER

AECOM observed surface water in the onsite canal used for cooling water and the detention basins, located to the north of Units 1 and 2.

3.3 AREA GEOLOGY AND SOILS

The property is situated in the northwestern portion of the Transverse Ranges geomorphic province of southern California. The Transverse Ranges geomorphic province is characterized by generally east-to-west–trending mountain ranges and fault systems, and is generally underlain by thick sequences of marine sedimentary rock. The property is in the Oxnard Plain Basin immediately inland from Mandalay Beach. The Oxnard Plain is a flat alluviated area generally located between the mouth of the Santa Clara River and the center of the coastal reach of Ventura County. The Oxnard Plain is bounded on the northwest by the foothills of Sulphur Mountain; on the southeast by the Santa Monica Mountains; and inland by South Mountain and the Camarillo Hills. The alluvial plain in the site vicinity is mapped as underlain by Holocene-age alluvial floodplain deposits comprised predominantly of clay with interbedded sand and gravel layers. Young eolian (wind-blown) deposits generally comprised of sand and silt overlie the alluvium. The property is predominantly underlain by sand and silty sand sediments, with some interbedded sandy silt and clay (Ninyo and Moore, 2013).

3.4 HYDROGEOLOGY

The property is directly underlain by the Perched Aquifer. The Perched Aquifer begins at an approximate elevation of 4 feet msl, is approximately 135 to 160 feet thick, and principally consists of fine- to medium-grained sand. Thin interbeds of gravel, silt, and clays are locally present. This aquifer is unconfined and the saturated zone begins at about an elevation of

4 feet msl. The cooling-water canal that flows from inland areas to the facility is in hydraulic communication with the Perched Aquifer. Groundwater in the Perched Aquifer flows to the south-southeast toward the cooling-water intake channel. Underlying the Perched Aquifer is a clay aquitard. The aquitard is 20 to 25 feet thick and separates the Perched Aquifer from the Oxnard Aquifer. Underlying the clay aquitard is the Oxnard Aquifer. The top of the Oxnard Aquifer occurs at an elevation of approximately -150 feet msl. The upper portion of the Oxnard Aquifer is composed of medium sand. Onsite borings have not extended into the lower portions of the aquifer. The Oxnard aquifer is an important water-bearing unit in the Oxnard Plain Basin and consists of a series of upper-Pleistocene river-deposited gravels.

It is estimated that locally, the alluvial deposits that form the Oxnard aquifer extend to a depth of approximately 250 feet. Underlying the alluvium is a sequence of thick, undifferentiated Pleistocene and Pliocene fine sands and silts, at varying degrees of consolidation. These are believed to extend to a depth of several thousand feet. Underlying this unit is an undetermined thickness of Tertiary marine and continental shale, siltstone, sandstone, and conglomerate. Groundwater on the property ranges from approximately 5 feet to 9 feet below ground surface (bgs). Fluctuations in the depth to groundwater occur due to tidal variations, seasonal precipitation, variations in ground elevation and groundwater pumping.

SECTION 4.0
HISTORICAL USE

AECOM reviewed readily available historical data pertaining to the property. These references were reviewed for evidence of activities that would suggest the potential presence of hazardous substances at the property, and to evaluate the potential for the property to be impacted by off-property sources of contamination. The objective of consulting historical sources is to develop a history of the previous uses of the property and surrounding area, in order to help identify the likelihood that past uses have resulted in RECs, HRECs, or CRECs in connection with the property. The following subsections present a summary of the review results.

4.1 HISTORICAL TOPOGRAPHIC MAPS

AECOM reviewed the following USGS 7.5-minute Quadrangle maps of California provided in the EDR Historical Topographic Map Report: Southern California Sheet 3 (1910), Hueneme (1904 and 1947), and Oxnard (1952 and 1967). These maps provide topographic map coverage of the property and vicinity (Appendix B). The following is a summary of the review:

- The maps prior to 1967 depict the property and adjacent properties as undeveloped land. Lake McGrath and the Santa Clara River are observed north of the property. The city of Oxnard and the Ventura County Airport are observed east of the property. Mandalay Beach and the Pacific Ocean are observed west of the property. Improved roads are observed in the site vicinity north, east, and south of the property. The 1967 map depicts the property with several structures. Development is observed in the site vicinity south of the property.

4.2 HISTORICAL AERIAL PHOTOGRAPHS

The general type of activity and land use can often be discerned from the type and layout of structures visible in an aerial photograph; however, specific elements of a site operation cannot normally be determined from the photographs. Considering these conditions, AECOM reviewed historical aerial photographs dated 1947, 1953, 1959, 1967, 1977, 1984, 1994, 2005, 2009, 2010, and 2012 that were provided by EDR. The EDR historical aerial photographs are included in Appendix C. The following is a summary evaluation of the historical aerial photographs:

1947 The property is observed to be undeveloped land bounded by sand dunes and the Pacific Ocean on the west. No structures or other features are observed on the property. The adjacent properties and the site vicinity are observed to be undeveloped land. A lake is observed to the north of the property.

1953 No significant changes are observed to the property, adjacent properties or site vicinity.

1959 The property is observed to be developed as a power-generating station with associated buildings, AST, and a retention pond and an outfall on the beach to the west of the property. A canal is observed on the southern portion of the property. The northern portion of the property appears to be undeveloped land with some storage of equipment. Two large ASTs are observed on the adjacent property to the south. Areas of development and what appear to be ASTs are observed on the adjacent property to the north. North Harbor Boulevard is observed to the east of the property. A switchyard is observed to the east of the property. The Pacific Ocean is observed to the west of the property. Industrial development and agricultural use are observed in the site vicinity northeast of the property.

1967 No significant changes are observed on the property. What appears to be recreational track is now observed on the adjacent property to the north. No other significant changes are observed to the adjacent properties or site vicinity.

1977 An additional structure (Unit 3) is observed on the southwestern portion of the property. An additional AST is observed on the southern boundary of the property. Two additional ASTs are observed on the adjacent property to the south. Residential structures are observed in the site vicinity south of the property. Land in the site vicinity northeast of the property appears to be used for agricultural purposes and includes several small structures.

1984 Two additional retention basins are observed on the property. Industrial structures and ASTs are observed on the adjacent property to the south, west of the previously noted ASTs. No significant changes are observed to the site vicinity.

1994 No significant changes are observed to the property, adjacent properties, or site vicinity.

2005 No significant changes are observed to the property. Four large ASTs previously noted on the adjacent property to the south are no longer present. No significant changes are observed to the site vicinity.

2009 No significant changes are observed to the property, adjacent properties, or site vicinity.

2010 No significant changes are observed to the property, adjacent properties, or site vicinity.

2012 No significant changes were observed to the property. Industrial development is now observed on the adjacent property to the south where the previous large ASTs were observed. No other significant changes were observed on the adjacent properties or site vicinity.

4.3 SANBORN FIRE INSURANCE MAPS

AECOM contracted with EDR to obtain Sanborn Fire Insurance Maps for the property. Based on EDR's search, Sanborn Fire Insurance Maps were not available for the property.

4.4 HISTORICAL CITY DIRECTORIES

Business directories, including city, cross reference, and telephone directories, were requested from EDR for the property and site vicinity. EDR searched historical city directories at approximately 5-year intervals for the years spanning 1926 through 2013.

The property was identified as Mandalay Steam Station since 1964.

A copy of the EDR City Directory Abstract is included in Appendix D.

4.5 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

AECOM reviewed a *Phase I ESA of the Mandalay Generating Station* performed by CH2M Hill in May 1997. The property consisted of three power-generation units and ancillary structures, in the same general configuration as the current MGS.

The following areas of environmental concerns and RECs were identified in the 1997 Phase I ESA report:

- **Hazardous Waste Site at Nearby Property on West 5th Street at Harbor Boulevard.** JNJ Sales and Service Site (located off site) was identified on the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database. The Carney and Sons Landfill was reported to have occupied the same location. The property was identified as a potential source of soil or groundwater impacts and an environmental concern to the facility.

- **Retention Basins.** Potential leaks associated with the retention basins resulting in subsurface contamination were identified. Subsurface investigation was being conducted by SCE in response to an Order from the California Environmental Protection Agency DTSC.

- **ASTs.** Previous investigations of surface impoundments indicated that impacts exist at tank locations.

  - A site investigation by SCE in September 1994 reported that a soil investigation was performed beneath and around the West Oil Storage Tank prior to installing a double-bottom liner. This tank was located off site and adjacent to the south of the subject property. It was reported that TPH were detected to a maximum of 6 feet bgs, with concentrations as high as 20,000 parts per million (ppm) TPH. The report concluded that soil beneath the tank had been impacted with oil that was placed during construction for corrosion protection. The soil was further analyzed for waste profile characteristics, and it was reported that the soil would not be a hazardous waste. It was recommended in the reports that the petroleum-impacted soil would be left in place. This AST is adjacent to the south of the property and off site.

  - It was reported in the SCE Environmental Site Investigation, dated February 18, 1995, for Peaker Distillate Tank on the southern portion of the subject property, that the investigation of soil was performed beneath and around the peaker distillate storage tank. Petroleum hydrocarbons were detected in soil to a maximum depth of 6 inches. The report concluded that the soil beneath the tank had been impacted with oil that was placed during construction for corrosion protection. The soil was further analyzed for waste profile characteristics, and it was reported that the soil would not be considered hazardous waste. It was recommended that petroleum-impacted soil be left in place. Based on a letter from the Los Angeles RWQCB dated May 26, 1995, the RWQCB reportedly concurred that the soil could be left in place until the tank was decommissioned and removed from the site.

- **Demolition Debris.** Debris was observed in a berm at the generating station. It appeared that demolition debris had been placed in this area. SCE reportedly did not have knowledge of the contents or source of debris. The debris in the area was considered an area of potential concern (AOPC).

- **Former USTs.** A sump was reported that had been used to convey distillate oil. The sump was reported to be a subsurface concrete vault with no visible lining or containment, and was identified as an AOPC. A 1,000-gallon gasoline UST was removed from the property in 1995, and the County of Ventura Environmental Health Division determined that cleanup of the UST area was complete. No further action was recommended for the former UST area.

- **Primary Fuel Oil Pumping Area.** The Phase I ESA reported a previous investigation in 1994, as regular releases of fuel oil to an unlined trench associated with the primary fuel oil area (located off site and adjacent to the south of the property) had occurred as part of operating procedures. Soils and groundwater in the vicinity of the trench were investigated, and it was reported that petroleum hydrocarbons were detected in one soil sample and one groundwater sample. It was reported that quarterly groundwater monitoring ensued, with no detections of petroleum hydrocarbons in any wells sampled,

including the wells where the original detections occurred. The RWQCB reportedly agreed that no further monitoring was required. No records of agency closure were provided for this area.

- **Transformers.** The transformers in the station powerblock area (Units 1, 2, and 3) and at the insulator test facility (on the northern boundary of the property) were reported to contain oil with less than 50 ppm polychlorinated biphenyls (PCB); however, the transformers were reported to have contained oil with higher concentrations of PCBs before 1976. Potential leaks and spills resulting in subsurface impacts were identified. The potential exists for past releases of PCBs associated with the transformers.

- **Pipelines.** Subsurface and aboveground pipelines have been used to convey fuel oil from fuel ASTs (located off site and adjacent to the south of the property) to the unit powerblocks. These pipelines had reportedly not been leak-tested. Potential leaks in the pipelines represented an AOPC to soil beneath the pipelines.

- **Powerblock.** Oil staining was observed on the floors of the powerblocks (Units 1, 2, and 3) around oil-containing equipment such as lube oil tanks and pumps. No records of soil sampling or releases were available for review. Oil may have seeped through cracks or joints in the concrete or through the pores in the concrete. It was reportedly possible that there is impacted soil beneath the powerblock areas. Oil staining was considered a potential concern.

- **Oil Spills.** The Phase I ESA (CH2M Hill, 1997a) reported three historical spills at the facility. These included an offshore spill of several gallons of fuel oil; and two spills of 2,800 and 42 gallons, respectively, of lube oil released to the yard drains. The spills were reported to have been contained and remediated by SCE, and no further action was required.

  A marine terminal was reported to have formerly existed on the property. The terminal consisted of a flexible hose that originated at the beach, and ran out several feet to a buoy in the ocean. Tankers would reportedly raise the hose and offload oil to the tanks in the tank farm (on and adjacent to the south and east of the property). The system was reportedly abandoned in 1990. Abandonment consisted of removing the flexible hose, capping the onshore pipe, and maintaining vacuum conditions in the pipe.

- **Dredge Spoil Piles.** Spoil piles consisting of canal dredge soil were observed on the property. Potential sediment and subsurface contamination was identified associated with the soil piles.

- **Septic Tank.** Septic tanks (north of the maintenance shop/warehouse building) were reported to receive wastewater from lavatory facilities and machine shop sinks. Because

the site is an industrial facility, and hazardous materials are used at the facility, the potential of release of hazardous materials resulting in subsurface impacts was reported.

AECOM reviewed a *Phase II ESA of the Mandalay Generating Station*, performed by CH2M Hill in June (1997b). The purpose of the Phase II ESA was to evaluate soil and groundwater conditions at site features identified as RECS or APOCs. The information gathered was used to determine whether any action was required to address hazardous substances or petroleum products at the facility, and to obtain initial information pertaining to the nature and extent of contaminants identified. To address these objectives, a comprehensive review of readily available documentation of facility use and relevant investigations was performed (SCE and regulatory agency files were reviewed), and interviews with appropriate SCE staff were conducted to obtain additional information. A sampling and analysis plan was prepared and implemented to investigate the potential for contamination in soil and groundwater; and if contamination was detected, to provide initial information regarding the nature and extent of the contamination.

According to the Phase II ESA, previous environmental investigations and associated remediation was conducted at the MGS. Two specific areas at the MGS were previously investigated; however, because sufficient data already existed for these areas, they were not included in the Phase II ESA subsurface investigation. These areas included a former gasoline UST area and a suspected blast grit disposal area. In addition, three past oil spills were reported and documented to have occurred at the MGS. These oil spills were either isolated and cleaned up by SCE, or determined by SCE to have not affected marine life or beaches. Therefore, no additional Phase II subsurface investigations for these areas were performed. Four specific areas or features at the MGS that had undergone previous environmental investigations were included in the Phase II ESA subsurface investigation. They included a submarine pipeline valve pit investigated in 1993; the west fuel oil tank investigated in 1994; the peaker distillate tank investigated in 1995, and the primary fuel pump area investigated in 1994. The results of these previous investigations were either inconclusive; or visual observation indicated potential for a remaining impact to soil; or records reviewed indicated data gaps exist that require further investigation. Consequently, these areas were included in the Phase II ESA subsurface investigation.

On May 15, 1997, SCE reported that an oil/water spill was reported to have occurred at the nearby the JNJ facility. The spill reportedly entered the canal and contaminated SCE property. SCE reportedly did not have any documentation of the spill or records of any remedial actions. A release was reported to have occurred at the powerblock area of Units 1 and 2 in 1984. No other information was available about this release from SCE.

In addition to the above investigations, subsurface investigation of surface impoundments, including the retention basins, was being conducted by SCE in response to a corporate-wide negotiated order from the DTSC. The investigation included soil chemistry and groundwater

sampling at the retention basins. This investigation was in progress during the Phase II ESA. Investigation and/or assessment of the retention basin areas were outside the scope of the Phase II ESA.

Presented below are a summary of the site features investigated at the MGS as part of the Phase II ESA, and the recommendations consequently made for each site feature. For areas where contamination was either not detected, or was detected at de minimis concentrations and the investigation was adequate and complete for the purposes of this Phase II ESA, no further action was recommended. De minimis conditions were defined herein as soil concentrations below: 1) soil screening levels published by the Los Angeles RWQCB; 2) the Toxic Substances Control Act (TSCA) cleanup threshold for total PCBs; and 3) USEPA Region IX generic Preliminary Remediation Goals (PRGs); and 4) groundwater concentrations below State of California Maximum Contaminant Levels. In cases where site features were either not readily accessible for subsurface investigation, or access to the area was restricted; either the site was not investigated, or the investigation performed was limited. No further action was recommended for these areas at the time of the Phase II ESA. However, it was noted that agency negotiations, additional sampling, and/or remediation may be necessary or appropriate as part of facility decommissioning. The Phase II ESA concluded the following:

- **Hazardous Waste Site at Nearby Property on West 5th Street at Harbor Boulevard.** Potential groundwater impacts from a nearby property were identified. This property was reported to be greater than 0.25 mile from the MGS, and was determined to be cross-gradient and downgradient from the MGS. A regulatory file review did not suggest that the MGS was being impacted by the hazardous waste site. Therefore, no subsurface investigation of this area was performed. No further action was recommended.

- **Retention Basins.** Potential leaks resulting in subsurface contamination were identified. Subsurface investigation of surface impoundments, including retention basins, was reportedly being conducted by SCE in response to a corporate-wide negotiated order from the DTSC. The investigation reportedly included soil chemistry and groundwater sampling at the retention basins. This investigation was in progress during the Phase II ESA. Investigation or assessment of the retention basin areas was outside the scope of the Phase II ESA (see below for additional information).

- **ASTs.** A tank farm area was reported to be in the southern portion of the facility, and adjacent to the south and east of the facility, which included the west, north, and south fuel oil tanks; the distillate fuel tank; and the displacement oil tank. Previous investigations had indicated the potential for subsurface impacts at several AST locations. SCE previously investigated soil and groundwater at two ASTs in the tank farm area: the western fuel storage tank and the peaker distillate tank. Soil and groundwater at the western fuel storage tank was investigated in 1994. TPH concentrations above regulatory

thresholds were reportedly identified in soil to depths of 0.5 foot, and in groundwater in the vicinity of the western fuel storage tank. Soil at the distillate fuel tank was investigated in 1995. Petroleum hydrocarbons were detected in soil to a maximum depth of 6 inches. During the 1997 Phase II ESA, two soil borings were advanced near the distillate fuel AST. The soil samples were collected from depths near the ground surface (0.5-foot bgs) and also at 5-foot intervals to depths of up to approximately 10.0 feet bgs. There was no evidence that soil near the distillate tank have been impacted by TPH as diesel (TPH-D) at 0.5 foot and below.

During the 1997 Phase II ESA, soil and groundwater at the fuel oil distillate tank (in the southern portion of the property), and displacement (cutter) oil tank (adjacent to the south and east of the property), were sampled and analyzed for TPH-D. Because extensive soil and groundwater data were available for the west fuel oil tank (adjacent to the south of the property), sampling at the tank was limited to one sample location. Extensive soil data were also available for shallow soil at the distillate tank (in the southern portion of the property); therefore, soil samples at the distillate tank were limited to depths of 5 feet and greater. Where field monitoring indicated the presence of volatile organic compounds (VOCs), soil and groundwater samples were also analyzed for VOCs. Based on previous investigation data, soil in the vicinity of the west fuel oil storage tank had been impacted by TPH to a depth of 0.5 foot bgs. Groundwater in the vicinity of the west fuel oil storage tank (adjacent to the south of the property) had also been impacted by TPH. Based on the Phase II ESA subsurface investigation, there was no evidence that soil near the north fuel oil storage tank (adjacent to the south of the property), the displacement oil tank (adjacent to the south and east of the property), and the lube oil tanks (adjacent to the north of Unit 1) had been impacted by TPH-D above the analytical screening criteria. Also, there was no evidence that soil near the south fuel oil storage tank (adjacent to the south of the property) and the distillate tank (in the southern portion of the property) have been impacted by TPH-D. TPH-D was detected in a groundwater sample collected near the south fuel oil storage tank (adjacent to the south of the property). There was no evidence that groundwater in the tank farm area had been impacted by VOCs.

Two lube oil ASTs were identified to the area north of Unit 2. Soil and groundwater at the lube oil tanks were sampled and analyzed for TPH-D and California Assessment Manual (CAM) Metals. Also, there was no evidence that groundwater near the lube oil tanks (adjacent to the north of Unit 2) has been impacted by TPH-D or impacted above the analytical screening criteria by CAM Metals. No further action was recommended for the AST area. However, due to the accessibility limitations to sampling beneath the tanks and the limited scope of the Phase II ESA investigation, agency negotiations, additional sampling and/or remediation was recommended as part of decommissioning.

- **Former USTs.** No UST areas required subsurface investigation at the MGS as part of the Phase II ESA. Based on a review of facility files, a 1,000-gallon gasoline UST was removed from the property in 1995, and the County of Ventura Environmental Health Division determined that cleanup of the UST area was complete. No further action was recommended for the former UST area.

- **Peaker Unit Fuel Pumping Area.** Potential leaks resulting in subsurface impacts were identified in the primary fuel oil pumping area (southeast of Unit 3). Soil and groundwater at this location were sampled and analyzed for TPH-D. Where field monitoring indicated the presence of VOCs, soil and groundwater samples were also analyzed for VOCs. TPH-D was detected at de minimis concentrations in the groundwater sample collected near the peaker unit (Unit 3) fuel pumping area and sump. There was no evidence that soil near the peaker unit (Unit 3) fuel pumping area and sump had been impacted above the analytical screening criteria by TPH-D. No further action was recommended for the peaker unit (Unit 3) fuel pumping area.

- **Primary Fuel Oil Pumping Area.** Potential leaks resulting in subsurface impacts were identified in the primary fuel oil pumping area (located off site and adjacent to the south of the property). Previous investigation results were inconclusive; therefore, shallow soil was sampled and analyzed for TPH-D at two locations. In May 1995, a quarterly groundwater monitoring program at this location was suspended as a result of a temporary waiver granted by the RWQCB. Because the site has not been formally closed, groundwater was sampled and analyzed for TPH-D at one location. Where field monitoring indicated the presence of VOCs, soil and groundwater samples were also analyzed for VOCs. There was no evidence that soil near the primary fuel oil pumping area had been impacted by VOCs, or impacted above the screening criteria by TPH. There was no evidence that groundwater near the primary fuel oil pumping area had been impacted by TPH-D or VOCs. No further action was recommended for the primary fuel oil pumping area. However, due to accessibility limitations to sampling inside the fuel pumping area, agency negotiation, additional sampling, and/or remediation may be necessary or appropriate as part of decommissioning.

- **Transformers and Switchyards.** There were three areas identified to contain transformers: the main powerblock (Units 1 and 2); the peaker unit (Unit 3); and the insulator test facility. In addition, there was one switchyard perimeter area identified, located at the MGS, that required investigation as part of the Phase II ESA. Samples were not collected in the switchyard area. Potential leaks and spills resulting in subsurface impacts were identified. Oil-stained surface soil at individual transformers were sampled and analyzed for PCBs. There was no evidence that soil beneath the transformers had been impacted by PCBs. No further action was recommended for the transformer areas. There was no evidence that soil near the switchyard perimeter had been impacted by TPH-D or PCBs. Also, there was no evidence that groundwater near

the southwestern perimeter of the switchyard had been impacted by VOCs. No further action was recommended for the switchyards (located off site and adjacent to the east of the property). However, due to accessibility limitations to sampling inside the switchyard area, agency negotiation, additional sampling, and/or remediation may be necessary or appropriate as part of decommissioning.

- **Pipelines.** Potential leaks resulting in subsurface impacts were identified. Most oil pipelines were reported to be aboveground, including most elbows, valves, and connectors, and no evidence or documentation of a release was observed or obtained during performance of the Phase II ESA. Consequently, a subsurface investigation was not performed specifically for pipelines. However, selected pipelines were investigated simultaneously with other site features such as the pump and transfer stations. Special features associated with piping were investigated, including the pig-launching area (west of Unit 3) and a submarine pipeline valve pit (southeast of Unit 3). Soil at these locations was sampled and analyzed for TPH-D. Where field monitoring indicated the presence of VOCs, soil and groundwater samples were also analyzed for VOCs. The submarine pipeline valve pit area was previously investigated by SCE for suspected TPH-impacted soil. TPH-impacted soil was found in the area ranging from nondetected to 28,500 milligrams per kilogram (mg/kg) at depths from 1 foot to 9 feet bgs. This area was reportedly remediated by SCE in 1992, and 17 borings were completed to verify cleanup of the TPH-contaminated soil to the cleanup objective of 1,000 ppm. There was no evidence that soil near the pig-launching area had been impacted by TPH-D. No further action was recommended for the pig-launching area. There is no evidence that soil near the submarine pipeline valve pit had been impacted by TPH-D or VOCs. There was no evidence that groundwater had been impacted by TPH-D, or been impacted above the analytical screening criteria by CAM Metals. No further action was recommended for the submarine pipeline sump. However, agency negotiations, additional sampling, and/or remediation may be necessary or appropriate as part of decommissioning.

- **Oil Spills.** According to SCE records and the Spill Prevention, Control, and Countermeasures (SPCC) plan for the MGS, there had reportedly been three oil spill events at the MGS that resulted in the release or potential of oil into or upon the navigable waters of the United States or adjoining shorelines. SCE's reporting of the spills was as follows:

  - On August 17, 1989, approximately 2 to 5 gallons of fuel oil were spilled onto the surface of the Pacific Ocean. The spill occurred during routine maintenance on a submarine fuel oil supply pipeline. The spill created a thin oil sheen, and cleanup was immediately undertaken. No marine life or beaches were affected.

  - On November 1, 1989, approximately 2,800 gallons of lube oil were spilled while processing lube oil through a filter press into a tanker trailer. The spill flowed

into an open yard drain, and ultimately into the MGS circulating water system. The circulating water system was dewatered at the time for routine maintenance. The spill was isolated to the circulating water system, and very little oil, if any, actually reached navigable waters.

– On December 20, 1990, an underground line failed, allowing approximately 42 gallons of lube oil to be spilled. Approximately 5 gallons entered an open yard drain to the station's circulating water system, and was discharged into the ocean. A small trace of oil was observed in the discharge outfall structure, but no oil was found on the adjacent beach area or outfall riprap. Containment and cleanup efforts were immediately started by station personnel, and were completed by a contractor by the end of the same day. No traces of oil were left on the affected areas.

Based on this information, there was no evidence that soil or groundwater in the vicinity of the spills have been impacted

- **Dredge Spoil Piles.** An area containing a several-foot-thick pile of canal dredge spoils (adjacent to the north of the retention basins) was investigated during the Phase II ESA to investigate potential impacts to soil or groundwater. Dredge spoil pile soil was sampled and analyzed for TPH-D, CAM Metals, and PCBs. There was no evidence that soil in the vicinity of the canal dredge spoil piles had been impacted by TPH-D or PCBs, and, with the exception of arsenic, had not been impacted above the screening criteria by CAM Metals. Groundwater had potentially been impacted by CAM metals above the analytical screening criteria. No further action was recommended for the dredge spoil piles at the time of the Phase II ESA. However, agency negotiations, additional sampling, and/or remediation may be necessary as appropriate as part of decommissioning.

- **Septic Tank.** Potential disposal of hazardous materials resulting in subsurface impacts were identified. Soil and groundwater samples collected at the septic tank were analyzed for TPH-D, VOCs, and CAM Metals. There was no evidence that soil in the vicinity of the septic tank had been impacted above the screening criteria by TPH-D, VOCs, or CAM Metals. Also, there was no evidence that groundwater had been impacted by TPH-D or VOCs or impacted above the analytical screening criteria by CAM Metals. No further action was recommended for the septic tank area.

- **Hazardous Waste Storage Areas.** Two hazardous waste storage areas were observed adjacent to each other, to the northwest of the maintenance shop/warehouse building. Potential releases resulting in subsurface impacts were identified. Soil and groundwater samples were collected from the hazardous waste storage areas and were analyzed for TPH-D, VOCs, PCBs, and CAM Metals. There was no evidence that soil near the hazardous waste storage areas had been impacted by VOCs or PCBs, or had been

impacted above the analytical screening criteria by TPH-D or CAM Metals. Also, there was no evidence that groundwater had been impacted by TPH-D or VOCs, or impacted above the analytical screening criteria by CAM Metals. No further action was recommended for the hazardous waste storage areas.

- **Secondary Fuel Pumping Area.** Potential leaks resulting in subsurface impacts were identified. Soil and groundwater samples collected at this location were analyzed for TPH-D. Where field monitoring indicated the presence of VOCs, soil samples were also analyzed for VOCs. There was no evidence that soil in the vicinity of the secondary fuel pumping area had been impacted by TPH-D or VOCs, or impacted above the analytical screening criteria by CAM Metals. Also, there is no evidence that groundwater had been impacted by TPH-D or impacted above the analytical screening criteria by CAM Metals. No further action was recommended for the secondary fuel pumping area.

- **Powerblock Perimeter.** Potential leaks through concrete floor or at drain lines resulting in subsurface impacts were identified. Soil and groundwater samples collected at the powerblock were analyzed for TPH-D and CAM Metals. Investigation was limited to the perimeter of the powerblocks and excluded areas directly below the powerblocks. There was no evidence that soil near the main powerblock perimeter (Units 1 and 2) had been impacted by PCBs or impacted above the analytical screening criteria by TPH-D or CAM Metals. Also, there was no evidence that groundwater near the main powerblock (Units 1 and 2) had been impacted by PCBs or TPH-D. Groundwater had potentially been impacted above the analytical screening criteria by CAM Metals. There was no evidence that soil near the Peaker Unit perimeter (Unit 3) had been impacted by VOCs or impacted above the analytical screening criteria by TPH-D or CAM Metals. Also, there was no evidence that groundwater near the Peaker Unit (Unit 3) perimeter had been impacted by TPH-D. Groundwater in the Peaker Unit (Unit 3) area had potentially been impacted above the screening criteria by CAM Metals. No further action was recommended for the powerblock perimeter and Peaker Unit (Unit 3) at the time of the Phase II ESA. However, due to accessibility limitations to sampling beneath the powerblock area, agency negotiations, additional sampling, and/or remediation may be necessary or appropriate as part of decommissioning.

- **Oil/Water Separator and Sump.** Potential releases resulting in subsurface impacts were identified. Soil and groundwater samples collected at the oil/water separator were analyzed for TPH-D, VOCs, and CAM Metals. There was no evidence that soil near the oil/water separator had been impacted above the screen criteria by VOCs, TPH-D, or CAM Metals. Also, there was no evidence that groundwater had been impacted by TPH-D or impacted above the screening criteria by CAM Metals or VOCs. No further action was recommended for the oil/water separator and collection sump. However, due to accessibility limitations to sampling beneath the separator, agency negotiations,

additional sampling, and/or remediation may be necessary or appropriate as part of decommissioning.

- **Demolition Debris.** Potential subsurface impacts were identified. Demolition debris observed during the Phase I ESA site visit was removed from MGS prior to performance of the Phase II ESA. No further investigation of this area was performed. There was no evidence that the demolition debris that was removed by SCE prior to the Phase II ESA had impacted the site. No further action was recommended for the demolition debris area.

- **Adjacent Petroleum Facility (Torch Operating Company).** The Torch Operating Company, a petroleum facility, was adjacent to and southwest of the MGS property boundary. Potential subsurface impacts from the facility were identified. Soil and groundwater samples were collected to assess potential impact from an adjacent petroleum facility. Soil and groundwater samples were collected along the property boundary and were analyzed for TPH-D. Where field monitoring indicated the presence of VOCs, soil and groundwater samples were also analyzed for VOCs. Soil and groundwater samples collected from one location were also analyzed for PCBs because that location was adjacent to a transformer belonging to the Torch Operating Company. There was no evidence that soil in the vicinity of the Torch Operating Company had been impacted by PCBs or VOCs, or had been impacted above the screening criteria by TPH-D. Groundwater in the vicinity of the Torch Operating Company had potentially been impacted by VOCs. No further action was recommended for the adjacent petroleum facility.

- **Suspected Blast Grit Disposal Areas.** Potential subsurface impacts were identified. Documentation obtained during performance of the Phase II ESA indicated SCE investigated the area in 1993, and determined that no further action was required. There was no evidence that soil in the vicinity of the suspected blast grit disposal areas had been impacted, with the exception of arsenic in the second blast grit disposal area, above the screening criteria by CAM Metals. No further action was recommended for the suspected blast grit disposal areas.

- **Oil Skimmer.** An oil skimmer was observed to be located adjacent to the east of the retention basins. Significant soil staining was observed on the ground surface adjacent to the skimmer. Potential subsurface impacts were identified. Soil samples collected from the oil skimmer area were analyzed for TPH-D and CAM Metals. There was no evidence that soil near the oil skimmer had been impacted by TPH-D; or, with the exception of arsenic, impacted above the screening criteria by CAM Metals. No further action was recommended for the oil skimmer area.

- **Cooling Water Intake Canal.** A canal from Channel Island Harbor to the MGS is to the east and south of the MGS facility. Potential release of contaminants to the canal that may impact sediments was identified. Soil sediments samples were collected and analyzed for TPH-D, CAM Metals, pesticides, and herbicides. There was no evidence that sediments at the bottom of the cooling water intake canal had been impacted by pesticides or herbicides; or, with the exception of arsenic and beryllium, impacted above the analytical screening criteria by TPH-D or CAM Metals. No further action was recommended for the cooling water intake canal.

- **Former Drum Storage Area.** The Phase II ESA reported that 55 to 60 drums were stored in an uncontained area at the MGS. The drums reportedly contained fuel oil, spent solvent, paints, and thinners. Some of the drums were observed by SCE to be deteriorated. The drums were reportedly manifested and transported offsite for disposal at a hazardous waste landfill in 1979. No records or internal documentation pertaining to the drums was reportedly available from SCE. Potential subsurface impacts were identified associated with the former drum storage area. Soil samples were collected and analyzed for VOCs, TPH-D, CAM Metals, and PCBs. There was no evidence that soil at the former drum storage area had been impacted by PCBs or VOCs, or has been impacted above the screening criteria by TPH-D or CAM Metals. Groundwater at the former drum storage area had potentially been impacted by CAM Metals. No further action was recommended for the former drum storage area.

AECOM reviewed groundwater monitoring data for the MGS. In 1995, SCE implemented a Water Quality Monitoring Program in response to a Final Judgment pursuant to the Stipulation handed down by the Superior Court of California, Los Angeles County, on February 1, 1995. The Stipulation alleged that SCE had stored hazardous wastes in unpermitted surface impoundments at these surface impoundments and associated sumps. A Detection Monitoring Program began at the MGS Facility in 1996. The purpose of the program was to demonstrate if any environmental contamination had resulted from the operation of the wastewater retention basins at the site. New monitoring wells were added to the existing wells at the facility to measure groundwater gradients and collect groundwater quality samples both upgradient and downgradient of the retention basins. In addition to the groundwater sampling, soil samples were retrieved from beneath the liners of each basin. The analytical results of the soil and groundwater samples indicated that the liners beneath the basins had released wastewater. The data indicated that three metals were reported above background concentrations: arsenic, nickel, and vanadium. The DTSC required an Evaluation Monitoring Program be implemented in 1998. The program required additional groundwater sampling points to define the nature and extent of contamination. Forty-seven wells have been installed at the MGS facility as part of the groundwater monitoring system for the retention basins. Groundwater samples are currently collected at 38 of the wells, with the remaining nine wells only used for groundwater-level measurements. The groundwater gradient indicated a flow to the south-southeast beneath the basins. The evaluation

monitoring wells have reportedly compiled sufficient data to characterize the multi-metal plume. In preparation for closure at the site, a Water Quality Monitoring Response Program was developed, to verify that the plumes detected in the groundwater continue to remain static, and do not migrate to the cooling-water canal. The DTSC approved the Revised Sampling and Analysis Plans for the MGS on May 20, 2014.

AECOM reviewed a Draft Closure Plan for the MGS Retention Basin Site prepared by WorleyParsons Komex, in November 2007. According to the report, field investigations were performed in and around the retention basin site to characterize soil, soil gas, and groundwater in the area where historical boiler chemical cleaning operations impacted the area. The potential area of the impacts was defined as the "exposure area," and included the basins, pipelines, and associated downgradient area. Soil gas samples from 37 probe locations in the exposure area were collected in November 2004, and analyzed for VOCs. A total of 43 soil gas samples was collected. Five VOCs were detected at very low levels (less than 0.02 microgram per liter). In addition, all detections of chemicals in soil gas were at concentrations below their respective California Human Health Screening Levels. Two hundred fifty soil samples from 73 borings in the exposure area were collected during the period from August 1996 through January 2006. No VOCs were detected in any of the 108 soil samples collected beneath the basin liners through November 2003. Because no VOCs were detected in either soil or soil gas, VOC analyses for soil samples collected at the retention basins were discontinued, with DTSC concurrence, beginning in 2005. Four hundred ninety-four groundwater samples from 28 monitoring wells in the exposure area were collected between September 2001 and June 2006. Prior to September 2001, an additional 165 groundwater samples were collected from the monitoring wells in the exposure area. No hazardous waste was stored in the retention basins and appurtenances during the period of characterization from 1996 to 2006.

According to the Closure Plan, based on soil and soil gas investigations performed at the site, the soil at the retention basin site had been fully characterized as sufficient to proceed with site remediation and closure. The Closure Plan also indicated that groundwater at the retention basin site had been fully characterized, and the data collected were sufficient to proceed with site remediation and closure. The remediation strategy was to use the characterization data, statistical analyses, and risk assessment to identify the specific contaminants and location that required remediation. It was anticipated that the contaminated soil beneath the retention basins would be excavated and removed as needed to meet the Closure Performance Standards. The excavations were expected to extend as deep as the water table (approximately 5 to 10 feet below the floor of the basins). Confirmation soil samples would be collected from the walls and bottom of the excavation. If analyses showed that Closure Performance Standards had not been met, then additional soil would be excavated laterally, and to the water table. The Closure Plan indicated that the excavation would be backfilled with clean, compacted soil. Finally, a Closure Certification Report would be submitted to demonstrate that the Closure Performance Standards were met.

According to a briefing report provided on March 6, 2015, in 2007 by Mr. Steven Rounds, MGS Case Worker with the DTSC, the Closure Plan was approved by DTSC, passed the public comment period, and the approved remedy is currently being implemented. As part of the approved remedy, the DTSC gave approval for the removal of contaminated soil, which was performed in 2011. A Land Use Covenant will reportedly be put in place, restricting the use of groundwater pumped from the site. According to the DTSC EnviroStor database, the Remedial Action Completion Report is due on April 30, 2015.

4.6 SPECIALIZED USER KNOWLEDGE

As required by AAI, in order to qualify for one of the Landowner Liability Protections, additional inquiries are to be conducted by the User of the Phase I ESA. These inquiries include:

- Identification of environmental cleanup liens against the property
- Specialized knowledge or experience regarding the property
- Relationship of the purchase price to the fair market value if the property was not contaminated
- Commonly known or reasonably ascertainable information regarding the property
- Degree of obviousness of the presence or likely presence of contamination at the property

The AAI User Questionnaire was completed during the site reconnaissance on January 26, 2015, based on interviews with Mr. John Mihatov, Mr. George Murr, and Ms. Julie Babcock with NRG, and site representatives, to obtain specialized knowledge of site conditions. The completed AAI User Questionnaire is included in Appendix G. Information from the AAI Questionnaire is summarized throughout the Phase I ESA Report. The Phase I ESA for the MGS Site was requested as part of California Energy Commission Application for Certification process for the Puente Power Project.

4.7 TITLE RECORDS/ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

AECOM requested EDR to perform an environmental lien search for the property. Results of the lien search indicated that there are reported environmental liens associated with the property; however, there are no activity and use limitations associated with the property. Details regarding the environmental liens are described below.

- 1st Party: People of the State of California, ex rel. William F. Soo Hoo, Director of the DTSC of the State of California, Plaintiff
- 2nd Party: SCE., a California corporation, Does 1 through 20, inclusive, Defendants

In 1996, SCE implemented a water quality monitoring program in response to a final judgment pursuant to the Stipulation handed down by the Superior Court of California, Los

Angeles County, on February 1, 1995. The Stipulation alleged that SCE had stored hazardous wastes in nonpermitted wastewater retention basins at their electrical-generating stations in southern California. SCE reportedly agreed to clean and close the basins according to Chapter 15 of Title 22, California Code of Regulations. The remainder of the property was to be evaluated under corrective action.

APN 183-0-022-025 is reportedly vested in Ocean Vista Power Generation, LLC, a Delaware limited liability company.

The EDR Environmental Lien Search is included in Appendix F.

4.8 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

AECOM was not provided information to indicate that the value of the property decreased due to environmental issues.

4.9 SUMMARY OF HISTORICAL DATA

Based on AECOM's review of historical data, the property was historically undeveloped land prior to development as an electrical-generating station from 1956 to 1958. At that time, the two generating units (Units 1 and 2) and associated structures and equipment and the fuel ASTs were constructed. In 1972, the Peaker Unit (Unit 3) was constructed with the east tank south of Units 1 and 2.

The northern portion of the MGS property (currently undeveloped land) was originally slated for development of future steam-generating units (MGS Units 3 and 4); however, these were never constructed at this location. A 30-inch-diameter gas line traverses the site; this gas line was intended to be the gas supply for the future steam-generating units. Previous uses of the northern portion of the MGS property include the following:

- 1950s: Grading of the site for the original MGS construction, and installation of the 30-inch-diameter gas line. An insulator test facility was also on the northern boundary of the property, and included the use of two transformers.

- 1970s: Construction of the flood protection berm along the northern boundary of the property.

- 1970s: An insulator testing facility previously existed at the northern portion of the MGS Site. The insulator test facility was constructed in 1970, and was used from 1971 to 1978. The facility was built by SCE to study mean time to flash-over rates on various insulators in a coastal environment. The facility was observed during the 1996 Phase I ESA, and was reported to be 100 feet by 100 feet in size. Two transformers were observed to be used at the facility. During the 1997 Phase II ESA, two soil samples were

collected from the soil directly beneath two transformers at the insulator test facility. PCB concentrations were reportedly not detected in samples of the oily-residue–impacted soil. There was no documentation regarding the removal of the insulator testing facility and associated equipment.

- 1983: Approximately 7,000 cubic yards of dredged spoils for the canal were temporarily stored in this area.

- 1996-1997: Installation of the 10-inch-diameter gas line from the gas metering station to MGS Unit 3.

- 2000: Approximately 7,000 cubic yards of dredged spoils from the canal were temporarily stored in this area.

- 2003-2005: Approximately 75,000 cubic yards of accumulated sediment from the canal were excavated and placed on the site. Site preparation included excavation and placement of liner fabric. The dredged spoils were pumped into geotextile containment tubes, allowed to dry, and then hauled off to the Toland Road Landfill for disposal.

- 2011: As part of SCE's retention basin remediation project, the northern portion of the property was used for temporary storage of contaminated soil (stored upon a plastic barrier). Gravel was placed along an access road that ran through the area.

Based on AECOM's review of historical data, adjacent properties have generally been undeveloped/agricultural land or land used for industrial purposes.

4.10 HISTORICAL DATA GAPS

Historical data gaps were identified during AECOM**'s** review of reasonably ascertainable historical sources for the property, as discussed in Section 1.6. The data gaps identified in Table 1 are not expected to alter the conclusions of this Phase I ESA.

SECTION 5.0
SITE RECONNAISSANCE

On January 26, 2015, Ms. Tricia Winterbauer of AECOM conducted a reconnaissance of the property. AECOM was escorted by Ms. Julie Babcock, Mr. John Mihatov, and Mr. George Murr, site representatives for the property. The reconnaissance consisted of the observation and documentation of existing site conditions and the nature of the neighboring property development within approximately 0.5 mile of the property. Photographs taken during the site reconnaissance are provided in Appendix A.

The property was accessed by North Harbor Boulevard.

5.1 INTERVIEWS

Ms. Tricia Winterbauer of AECOM conducted interviews with Mr. John Mihatov, Mr. George Murr, and Ms. Julie Babcock with NRG, and site representatives for the property. Mr. Mihatov, Mr. Murr, and Ms. Babcock provided information regarding the history and current conditions of the property. The property was undeveloped land before it was developed as a power-generating station between 1956 and 1958. Additional information provided during the interviews is summarized throughout the Phase I ESA Report.

5.2 SITE CONDITIONS

At the time of the site reconnaissance, the property was observed to be developed with an electrical power-generating station. NRG currently operates two conventional steam turbine units (Units 1 and 2) and one gas combustion turbine unit (Unit 3) and associated powerblock equipment. MGS Units 1 and 2 were constructed in the 1950s, and have a combined generating capacity of 430 MW. MGS Unit 3 is a gas turbine–powered unit that was commissioned in the early 1970s, and has a generating capacity of approximately 130 MW. MGS also includes a 42,000-square-foot administrative building, an 18,600-square-foot maintenance shop/warehouse building, numerous storage areas and buildings; three retention basins; a cooling water canal; ASTs; pipelines; electrical switching and transmission features; transformers; asphalt-and-concrete–paved driveways and parking lots; minor landscaped areas; and areas of undeveloped land.

5.3 HAZARDOUS SUBSTANCES

5.3.1 Hazardous Materials

Industrial processes consist of two steam boiler electrical-generating units and one jet engine peaking electrical generation unit. The units are fueled by natural gas. Electric transformers contain dielectric oil. Ammonium hydroxide, hydrazine, sodium hydroxide, and tri-sodium

phosphate are used for boiler water chemical control. Sodium nitrate is used as a corrosion inhibitor in the equipment-cooling water system. Sodium hypochlorite is used to treat the circulating water system. Gasoline and diesel are used for fueling vehicles and equipment. Various solvents, paints, lubricants, and compressed gases are used in the servicing and maintenance of equipment. Aqueous ammonia (ammonium hydroxide) is stored in a 14,650-gallon steel AST with a concrete secondary containment and is used for the Selective Catalytic Reduction (SCR) System for the control of oxides of nitrogen emissions. Industrial processes involving hazardous materials are either enclosed with covered structures or surrounded by secondary containment structures. Bulk materials are delivered by tanker truck. All other materials are shipped in drums of smaller containers and unloaded at the MGS warehouse. The facility maintains a Hazardous Materials Business Plan (HMBP) with the City of Oxnard Fire Department CUPA. The HMBP includes a chemical inventory and emergency response procedures. Oil storage and receiving procedures and oil spill prevention and response procedures are outlined in the facility's SPCC Plan, dated July 2010, and revised March 2014. No spills other than the historical spills discussed in Section 4.5, Previous Environmental Investigations, have been reported at the MGS Site. MGS has implemented a Risk Management Plan (RMP) dated June 19, 2014 (Sage Environmental Consulting), for the storage and use of aqueous ammonia. According to the RMP, there have been no known USEPA-reportable incidents, system failures, or abnormal conditions in the past 5 years.

Hazardous materials reportedly used and stored at the MGS facility are summarized below in Table 2, Hazardous Materials Use and Storage.

5.3.2 Hazardous Wastes

Hazardous wastes generated at the facility are summarized in Table 3, Hazardous Waste Generated at the Facility. The facility maintains a USEPA ID# for the generation of hazardous waste. Hazardous wastes are accumulated in satellite accumulation areas throughout the facility or in the hazardous waste accumulation area to the north of the maintenance shop/warehouse building. The hazardous waste accumulation area floor is constructed of concrete and surrounded by a 6-inch concrete curb. It is covered and secured with perimeter fencing and is reportedly locked when not in use. AECOM observed various 55-gallon drums of hazardous waste, and fiber drums and cans of universal waste during the site reconnaissance. The containers of hazardous waste were observed to be closed and labeled. No leaks or stains were observed in the hazardous waste accumulation area.

TABLE 2
HAZARDOUS MATERIALS USE AND STORAGE

Hazardous Material	Use	Location	Maximum Daily Amount	Container Type
Acetylene	Welding	Weld Shop and south of the Maintenance Shop	4,500 cubic feet	Cylinder
Argon Gas	Welding	Weld Shop and south of the Maintenance Shop	2,400 cubic feet	Cylinder
Aqueous Ammonia 29% (Ammonium Hydroxide)	Boiler water chemistry	North of Units 1 and 2 and Chemical Feed Area	32,000 pounds (14,650-gallon Aboveground storage tank)	AST and plastic nonmetallic drum
Calibration Gases	Selective Catalytic Reduction	West and south of Maintenance Shop, West of Unit 1 and 2	3,025 cubic feet	Cylinder
Carbon Dioxide	Electrical	Unit 3, south of Maintenance Shop, and Auxiliary Bay of Units 1 and 2	10,080 cubic feet	Cylinder
Caustic Soda 50% (Sodium Hydroxide)	Boiler water chemistry	East of Unit 3	520 gallons	Aboveground storage tank
Dielectric Liquid, Transformer Oil (Mineral Oil)	Transformer lubrication	Transformers	45,000 gallons	Transformer
Diesel	Emergency generator and equipment	North of Warehouse and Standby Generator	1,300 gallons	AST and steel drum
Gasoline	Equipment	North of Warehouse	200 gallons	AST
Helium	Leak detection	Gas Metering Area, south of the Maintenance Shop	3,360 cubic feet	Cylinder
Hydrogen	Exciters	East of Unit 3	72,000 cubic feet	Cylinder
Hyhydrat (Hydrazine Solution 35%)	Boiler water chemistry	Chemical Feed Area	475 pounds	Plastic/nonmetallic drum
Lead Acid Batteries (Sulfuric Acid)	Power	Battery Rooms in Units 1, 2, and 3	26,488 pounds	Battery
Liquid Nitrogen	Blanketing materials system	North of Unit 2	1,500 gallons	AST
Liquefied Petroleum Gas (Propane)	Maintenance	South wall of Maintenance Shop	20 gallons	Cylinder

TABLE 2
HAZARDOUS MATERIALS USE AND STORAGE (Continued)

Hazardous Material	Use	Location	Maximum Daily Amount	Container Type
Lubricating Oil	Equipment lubrication	Lube Oil Drum Storage, Lube Oil Systems in Unit 1, 2, 3, East and West Lube Oil Tank and Warehouse	40,000 gallons	AST, unit equipment/ turbine, and steel drum
Mirachem 500 Cleaner/ Detergent	Cleaner	West of Units 1 and 2	55 gallons	Plastic nonmetallic drum
Mobil Automatic Transmission Fluid	Equipment lubrication	Unit 3	330 gallons	Steel drum
Mobil Jet II Aviation Engine Oil	Peaker plant	Unit 3	330 gallons	Steel drum
Nalco CS (Sodium Nitrite)	Bearing cooler water	Chemical Feed Area	1,000 pounds	Plastic/nonmetallic drum
Nalco C-4710 (Sodium Nitrate)	Bearing cooler water	Chemical Feed Area	2,500 pounds	Plastic/nonmetallic drum
Natural Gas (Methane)	Calibrating gas	Gas Metering Station and North Warehouse	Continuous	Gas line
Nitrogen	Electrical	South of Unit 3, and south of Maintenance Shop, and Auxiliary Bay of Unit 1 and 2	3,000 cubic feet	Cylinder
Oxygen	Welding	Weld Shop and south of Maintenance Shop	4,500 cubic feet	Cylinder
Sodium Bisulfite 25%	Reverse Osmosis system	East of Unit 3	300 gallons	Plastic/nonmetallic drum
Sodium Hypochlorite 12%	Water system control	South of Units 1 and 2	330 gallons	Tote
Trisodium Phosphate-Dedecahydrate	Boiler pH control	Chemical Feed Area	300 pounds	Box

TABLE 3
HAZARDOUS WASTES GENERATED AT THE FACILITY

Hazardous Material	Location	Maximum Daily Amount	Container Type
Asbestos-Containing Waste	Hazardous Accumulation Area, Dirt lot north of Unit 2	20 tons	Steel drums
Oily Debris	Hazardous Waste Accumulation Area, Satellite Waste Accumulation Areas	165 pounds	Steel drums
Used Lubricating Oil	Hazardous Waste Accumulation Area, Satellite Waste Accumulation Areas	165 gallons	Steel drums
Waste Grit	Satellite Waste Accumulation Areas	650 pounds	Steel drums
Universal Waste (Fluorescent light tubes)	Maintenance Shop, Satellite Waste Accumulation Areas	20 pounds	Can or fiber drums

The facility historically maintained a Permit By Rule Permit with the DTSC for the treatment of hazardous waste. The DTSC permit authorized puncturing and crushing of aerosol cans, containers, and drums of 110-gallon capacity or less. According to a Phase II ESA conducted at the property in 1997 (CH2MHILL, 1997b) the container-crushing device was outside of the maintenance shop area, and no leaks or stains were observed beneath the device. According to the 1997 Phase II ESA, based on the visual assessment of the container-crushing area, no further action was recommended for the can-puncturing area. The practice of puncturing cans reportedly began around 1995, and was discontinued in approximately 2010.

5.4 DRUMS AND OTHER CHEMICAL CONTAINERS

Drums and chemical containers were observed on the property during the site reconnaissance as described in Table 2, Hazardous Materials Use; and Storage and Table 3, Hazardous Waste Generated at the Facility.

Pipelines on the property are currently and have historically been used to transport distillate and lube oil. Based on report, most pipelines at the facility are aboveground. Pipelines are double-walled and have not been hydrostatically tested. Cathodic protection has been maintained with yearly cathodic protection surveys. Subsurface piping was installed in the 1970s. A submarine pipeline valve pit was near the southwestern corner of the MGS property, and consisted of two concrete vaults containing the fuel pipelines, and various

surface and subsurface pumps and controllers. According to the 1997 Phase II ESA (CH2M Hill, 1997b), releases of petroleum hydrocarbons had occurred in the past, in association with transfer of fuel oil from offshore to the onshore storage facilities. These releases included relatively heavy fuel oil, generally found near the ground surface around the eastern and western ends of the valve pit; and lighter cutter oils, observed near the center of the valve pit structure. Field investigations to determine the distribution of released hydrocarbons were reportedly conducted by SCE on July 30, 1992. The investigation included the drilling and selected soil sampling of 13 hand-augered borings. Based on the findings from the site assessment and soil/hydrocarbon characterization, excavation and removal of impacted soil was performed. Cleanup verification sampling was conducted. SCE reported that TPH-impacted soil was removed from the valve pit area. Based on additional assessment conducted during the 1997 Phase II ESA, there was no evidence that soil or groundwater near the submarine pipeline valve pit has been impacted by TPH-D or VOCs.

According to the previous Phase I ESA (CH2MHILL, 1997a), SCE suspected that some leaks may have occurred and that soil remediation would likely be required around the piping.

5.5 STORAGE TANKS

5.5.1 Aboveground Storage Tanks

As discussed in Section 5.3, hazardous materials are stored throughout the facility in ASTs. Table 4 provides details regarding the ASTs as observed during the site reconnaissance. Oil storage and receiving procedures and oil spill prevention and response procedures are outlined in the facility's SPCC Plan.

Four other ASTs were historically located adjacent to the south of the property as part of the fuel oil tank area. These included two 224,000-barrel fuel oil ASTs, one 272,000-barrel fuel oil AST and one 14,596-barrel displacement AST. Oil was reportedly transferred between the tanks or to the primary fuel oil heater via a fuel-oil transfer pump and fuel-oil recirculation pump. There were also three fuel-oil interconnecting pipelines. Fuel oil was reported supplied from the ASTs to the facility boilers via a supply line. These ASTs were taken out of service after 1997. The 21,000-barrel distillate fuel oil storage AST remains on the property but is reported to be empty and out of service.

5.5.2 Underground Storage Tanks

Evidence of USTs was not observed on the property during the site reconnaissance, nor were USTs reported to currently exist on the property.

A 1,000-gallon gasoline UST was removed from the property in 1995, and the County of Ventura Environmental Health Division determined that cleanup of the UST area was complete. No further action was recommended for the former UST area.

TABLE 4
ABOVEGROUND STORAGE TANKS/EQUIPMENT

Tank ID	Tank Contents	Tank Location	Tank Capacity
Service Water Tank	Service Water	South of Unit 1	444,806 gallons
Distilled Water #1	Distilled Water	South of Unit 1	144,000 gallons
Distilled Water #2	Distilled Water	South of Unit 1	144,000 gallons
	Bearing-Cooling Water	North of Unit 3	8,000 gallons
	Bearing-Cooling Water	Southeast of Unit 1	33,000 gallons
Sodium Hypochlorite Tote	Sodium Hypochlorite	East of Unit 3	330 gallons
Caustic Soda	Sodium Hydroxide	East of Unit 3	520 gallons
Gasoline Tank	Unleaded Gasoline	North of Maintenance Shop/ Warehouse	1,000 gallons
Diesel Tank	Diesel Fuel #2	North of Maintenance Shop/ Warehouse	1,000 gallons
Aqueous Ammonia	29% Aqueous Ammonia	Northwest of Unit 2	14,650 gallons
East Lube Oil Tank	Lube Oil (Empty)	North of Unit 2	10,000 gallons
West Lube Oil Tank	Lube Oil (Empty)	North of Unit 2	10,000 gallons
Emergency Generator Diesel Tank	Diesel Fuel #2	East of Maintenance Shop	265 gallons
Nitrogen	Liquid Nitrogen	West of Unit 2	1,500 gallons
Emergency Septic Tank	Sanitary wastewater (sewage)	East of the Hazardous Waste Accumulation Area	2,500 gallons
Advantix Tank	Sanitary wastewater (sewage)	East of the Hazardous Waste Accumulation Area	unknown
Unit #1 Lube Oil System	Lube Oil	Unit 1	7,500 gallons
Unit #1 Station Service	Transformer Oil	Unit 1	593 gallons
Reserve Station Service	Transformer Oil		593 gallons
Unit #2 Lube Oil System	Lube Oil	Unit 2	7,500 gallons

TABLE 4
ABOVEGROUND STORAGE TANKS/EQUIPMENT (Continued)

Tank ID	Tank Contents	Tank Location	Tank Capacity
Unit #2 Station Service	Transformer Oil	Unit 2	593 gallons
Reserve Auxiliary Transformer	Transformer Oil		3,826 gallons
Unit #3 Lube Oil System	Lube Oil	Unit 3	4,000 gallons
Unit #3 Main	Transformer Oil	Unit 3	6,775 gallons
Unit #3 Station Service	Transformer Oil	Unit 3	399 gallons
Unit #3 Emergency Auxiliary	Transformer Oil	Unit 3	681 gallons
Unit #2 A Phase Main	Transformer Oil	Unit 2	4,289 gallons
Unit #2 B Phase Main	Transformer Oil	Unit 2	4,289 gallons
Unit #2 C Phase Main	Transformer Oil	Unit 2	4,289 gallons
Unit #1 A Phase Main	Transformer Oil	Unit 1	4,289 gallons
Unit #1 B Phase Main	Transformer Oil	Unit 1	4,289 gallons
Unit #1 C Phase Main	Transformer Oil	Unit 1	4,289 gallons
Unit #1 Main Auxiliary	Transformer Oil	Unit 1	2,536 gallons
Unit #2 Main Auxiliary	Transformer Oil	Unit 2	2,536 gallons
Inactive Distillate Fuel Oil Storage	Empty	Southern Boundary	21,000 barrels

5.6 POLYCHLORINATED BIPHENYLS

Electrical transformers, hydraulic equipment, capacitors, and similar equipment may contain PCBs as operating or dielectric insulating fluids in the units. The Federal Toxic Substances Control Act generally prohibited the domestic manufacture of PCBs after 1976; therefore, there is a potential for the dielectric fluid in electrical and hydraulic equipment manufactured prior to that date to contain PCBs.

Electric transmission lines were observed along the onsite canal and along the perimeter of the property in all directions during the site reconnaissance.

PCBs are not currently used in equipment on the property; however, PCBs were historically used in onsite transformers and capacitors at the site. Waste dielectric oil is tested for PCBs prior to disposal.

5.7 WASTE DISPOSAL

Wastes generated onsite include nonhazardous wastes, hazardous wastes, domestic sewage waste and surface water wastes. Hazardous waste generation at the facility is described in Section 5.3, Hazardous Substances.

Domestic wastewater from the administration building, maintenance shop, and main units of the facility is discharged through the onsite septic sewage system.

Each of the two generation units (Units 1 and 2) are serviced by boiler wash systems that drain the wastewater from the wash processes. The drain for Unit 1 enters a 10-inch pipeline that trends to the west. The pipeline turns and traverses north along the units to the collection sump at the base of the south basin. The 10-inch-diameter feeder pipeline from the Unit 2 drain enters the pipeline along the route. Because the wastewater flows by gravity, the depth of the pipeline varies slightly from 5 feet at Unit 1, to 7 feet at the collection sump. The pipeline drains into the wastewater collection sump. The wastewater from the sump can be pumped to the retention basins through a valve tree.

MGS currently does not separate process wastewater from stormwater runoff. All drains in the powerblock structures are pumped into the retention basins. All storm drains on the peripheral areas of the facility are routed into a stormwater sump. The stormwater sump has three pumps that discharge into the retention basins. The retention basins are discharged to the ocean in accordance with the discharge requirements of the MGS National Pollutant Discharge Elimination System (NPDES) Permit CA0001180 for withdrawal and discharge. During periods of prolonged high rain run-off, the stormwater may be routed directly to the ocean.

MGS currently manages stormwater discharges in compliance with the Discharge Prohibitions, Effluent Limitations, and Receiving Water Limitation specified in the Los Angeles RWQCB Order No. 94-131, NPDES CA0001180 and the MGS Storm Water Pollution Prevention Plan dated September 24, 2014.

5.8 DUMPING

Evidence of dumping was not observed on the property during the site reconnaissance.

5.9 PITS, PONDS, LAGOONS, SEPTIC SYSTEMS, CISTERNS, SUMPS, DRAINS, AND CLARIFIERS

Three retention basins were observed at the MGS. These include the north basin, the south basin, and the former boiler chemical cleaning basin. The north and south retention basins are currently used to collect and store nonhazardous wastewater from the facility. Two concrete vaults, the oil/water separator collection sump, and the stormwater sump serve as a collection points for drains within the MGS. All floor drains from the powerblock empty into the oil/ water separator collection sump. All yard drains empty into the stormwater sump. The sumps are routed to the retention basins. The wastewater collected in the retention basins is reported to contain minor amounts of oil, grease, and suspended solids, and is systematically discharged to the ocean under the provisions of an NPDES Permit.

The boiler chemical cleaning basin has been out of service since 1986, and currently collects and evaporates rainwater, because it has no outlet. The three basins were installed in 1977. The north basin and boiler chemical cleaning basin are 6 feet deep. The south basin is 8 feet deep. The basins were originally constructed with a single asphaltic concrete liner. In the 1980s, a single layer of a synthetic liner (HDPE) was installed in the three basins using the existing asphalt liner as a base. The boiler chemical cleaning basin was retrofitted in 1989, with a double liner of HDPE and a leachate collection system. The retention basins are currently emptied and cleaned as a routine operational procedure, to remove windblown sand and stormwater sediments. After the cleaning is completed, samples of the sediments are analyzed to determine if they exhibit any hazardous characteristics. The sediments are determined to be nonhazardous.

Prior to 1986, the boiler chemical cleaning basin was used to temporarily hold (for less than 30 days) acidic cleaning solutions derived from the removal of corrosion and mineral deposits in the boiler tubes. As discussed in Section 4.5, Previous Environmental Investigations, a Final Judgment alleged that SCE had stored hazardous wastes in unpermitted surface impoundments and associated sumps. Forty-seven monitoring wells have been installed at the MGS facility as part of the groundwater monitoring system for the retention basins. Field investigations have been performed under the direction of the DTSC in and around the retention basin site to characterize soil, soil gas, and groundwater in the area where historical boiler chemical cleaning operations impacted the area. A closure Plan was prepared and approved by the DTSC in 2007, and is currently being implemented (see Section 4.5, Previous Environmental Investigations, for additional information).

The generating-station cooling-water intake is from the Edison Canal. At maximum capacity, MGS maintains a total pumping capacity rated at 254 million gallons per day, with a combined condenser flow rating of 241 million gallons per day. MGS discharges up to 255.3 million gallons per day of wastewater consisting of once-through cooling water and other process wastewaters. MGS discharges into the Pacific Ocean via a concrete-and-rock

re-vetted structure at a point immediately offshore of the facility. MGS has a NPDES permit for withdrawal and discharge.

The existing domestic waste system collects discharge from sinks, toilets, and other sanitary facilities, and discharges to MGS' existing sanitary sewer collection system, which consists of septic tanks and a leach field. The raw sewage is reportedly discharged first to a 3,800-gallon septic tank for primary treatment. Effluent from the primary treatment tank flows to a 5,000-gallon secondary septic tank used as a circulation tank. The secondary tank is equipped with the lift pump to circulate the wastewater through a filter media tank and circulation tank. At the median tank, wastewater is percolated through fiberglass media for treatment by microorganisms. The median tank flows to a circulation tank and sump. From the sump, secondary treated wastewater is lifted and pumped through the ultra violet disinfection unit and disposed at the subsurface drip system field.

A septic tank and leachfield was previously located near Unit 3. The septic system had a tank capacity of 2,880 gallons, and was gravity-fed to a leachfield. The septic system and leachfield were abandoned in place in 2004.

5.10 PESTICIDE USE

The property has not been used for agricultural purposes, and therefore pesticides are unlikely to have been used on the property.

5.11 STAINING AND DISCOLORED SOIL/SURFACES

Staining and discolored surfaces were observed beneath oil-containing equipment in the unit powerblock area of the station. Staining and discolored surfaces were also identified during the previous Phase I ESA. There is the potential for subsurface impacts from the release of oil from onsite equipment in the powerblock areas.

No other leaks or staining were observed during the site reconnaissance.

5.12 STRESSED VEGETATION

Stressed vegetation was not observed on the property during the site reconnaissance.

5.13 UNUSUAL ODORS

Unusual odors were not detected on the property during the site reconnaissance.

5.14 ONSITE WELLS

Water supply wells were not observed or reported to exist on the property.

Based on a review of groundwater monitoring data as discussed in Section 4.5, Previous Environmental Investigations, 47 wells have been installed at the facility as part of the groundwater monitoring system for the retention basins. Groundwater samples are currently collected at 38 of the wells, with the remaining nine wells only used for groundwater-level measurements.

AECOM reviewed the California Division of Oil, Gas, and Geothermal Resources database to evaluate oil and gas exploration in the vicinity of the property. No oil and gas wells were identified on the property.

5.14.1 OTHER CONCERNS

No other environmental concerns were noted at the time of the site reconnaissance.

5.15 NON-SCOPE CONSIDERATIONS

5.15.1 Asbestos

An asbestos-containing materials (ACM) survey was not included in the Scope of Services performed for this Phase I ESA. The use of asbestos was primarily discontinued after the late-1970s. The administration, maintenance shop/warehouse buildings, and Units 1 and 2 and associated equipment observed on the property were reportedly built in 1958 and Unit 3 and associated equipment were reportedly built in 1972; therefore, they would have the potential for ACM. MGS has identified ACM associated with onsite buildings and associated equipment on the property during construction and demolition projects. ACM surveys are reportedly conducted as needed, and ACM is abated and disposed of according to applicable regulations. An inventory of ACM was not available during the site reconnaissance.

5.15.2 Lead-Based Paint

A lead-based paint (LBP) survey was not included in the Scope of Services performed for this Phase I ESA. Concern for LBP is primarily related to older structures. The administration, maintenance shop/warehouse buildings, and Units 1 and 2 and associated equipment observed on the property were reportedly built in 1958 and Unit 3 and associated equipment were reportedly built in 1972; therefore, they would have the potential to contain LBP. MGS has identified LPB associated with onsite buildings and associated equipment on the property during construction and demolition projects. LBP surveys are reportedly conducted as needed, and LBP is abated and disposed of according to applicable regulations. An inventory of LBP was not available during the site reconnaissance.

5.15.3 Radon

A radon survey was not included in the Scope of Services performed for this Phase I ESA. A USEPA survey by state and county of indoor radon concentrations indicated the radon zone level for Ventura County is 1. Zone 1 areas are predicted to have an indoor radon screening potential of greater than 4.0 picocuries per liter (pCi/L) of air. The USEPA action level for radon is 4.0 pCi/L of air.

SECTION 6.0
AGENCY RECORDS REVIEW

AECOM reviewed readily available records regarding past and current property use, contacted applicable agencies regarding potential environmental concerns at the property, and reviewed the agency database list search for potential environmental concerns at surrounding properties. The information obtained during the records review is provided in the following sections.

6.1 DATABASE LIST SEARCH

AECOM contracted with EDR to conduct a search for facilities listed by regulatory agencies as potentially having environmental concerns. The complete list of databases reviewed is provided in the EDR Radius Map Report included as Appendix E, and is summarized in Sections 6.1.1, 6.1.2, and 6.1.3. It should be noted that this information is reported as received by AECOM from EDR, which in turn reports information as provided in various government databases. It is not possible for either AECOM or EDR to verify the accuracy or completeness of information contained in these databases. However, the use of and reliance on this information is a generally accepted practice in the conduct of environmental due diligence. A summary of the mapped EDR database search results is provided in Table 5, EDR Database Report Summary. Offsite facilities that have the potential to impact the property based on the distance and direction from the property will be discussed in Section 6.1.2, Adjacent Properties; and Section 6.1.3, Site Vicinity.

6.1.1 Property

MGS (A1) at 393 North Harbor Boulevard was identified with USEPA ID CAD000630913 as a Handler on the RCRA TSDF database; and as a generator of hazardous waste on the RCRA Small-Quantity Generator (SQG) database. The property has received Notices of Violations (NOVs). Areas of violation include TSD-Financial Requirements, TSD-General, TSD IS-Ground Water Monitoring, Generators-General, and TSD IS-Chemical, Physical, and Treatment. The facility was identified on the AST database for a 268,100-gallon tank. The facility was identified on the US FIN ASSUR database with the Corporate Guarantee reported as SCE. The facility was identified with Plant ID 110000517717 on the Aerometric Information Retrieval System Facility Subsystem (AIRS AFS) database with an industrial classification of "Fossil Fuel Electric Power Generation." The property was identified with Facility ID Santa Clara River 562019001 on the California Waste Discharge System (CA WDS) database. Facility type was reported as "Other," and facility status was reported as "Active," with Permit Number CA0001180. The property was identified with Facility ID Santa Clara River 562019004 on the CA WDS database. Facility type was reported as "Municipal/Domestic" and the Facility Status was reported as "Active." The property was identified with Facility ID 4 56I016869 on the CA WDS database. Facility type was reported as "Other," and facility status was reported as "Active" with Permit Number CAS000001. No violations were reported.

TABLE 5
EDR DATABASE REPORT SUMMARY

Database	Name/Description	Search Distance (Miles)	Total Sites Plotted
Federal NPL Site List			
NPL	National Priorities List	1.0	0
Proposed NPL	Proposed National Priorities List Sites	1.0	0
NPL LIENS	Federal Superfund Liens	TP	0
Federal Delisted NPL Site List			
Delisted NPL	National Priorities List Deletions	1.0	0
Federal CERCLIS List			
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System	0.5	1
FEDERAL FACILITY	Federal Facility Site Information listing	0.5	0
Federal CERCLIS NFRAP Site List			
CERC-NFRAP	CERCLIS No Further Remedial Action Planned	0.5	0
Federal RCRA CORRACTS Facilities List			
CORRACTS	Corrective Action Report	1.0	0
Federal RCRA non-CORRACTS TSD Facilities List			
RCRA-TSDF	RCRA – Treatment, Storage and Disposal	0.5	1
Federal RCRA Generators List			
RCRA-LQG	RCRA – Large-Quantity Generators	0.25	1
RCRA-SQG	RCRA – Small-Quantity Generators	0.25	2
RCRA-CESQG	RCRA – Conditionally Exempt Small-Quantity Generator	0.25	0
Federal Institutional Controls/Engineering Controls Registries			
US ENG CONTROLS	Engineering Controls Sites List	0.5	0
US INST CONTROL	Sites with Institutional Controls	0.5	0
LUCIS	Land Use Control Information System	0.5	0
Federal ERNS List			
ERNS	Emergency Response Notification System	TP	3
State- and Tribal – Equivalent NPL			
RESPONSE	State Response Sites	1.0	1
State- and Tribal – Equivalent CERCLIS			
ENVIROSTOR	EnviroStor Database	1.0	4
State and Tribal Landfill and/or Solid Waste Disposal Site Lists			
SWF/LF	Solid Waste Information System	0.5	1

TABLE 5
EDR DATABASE REPORT SUMMARY (Continued)

Database	Name/Description	Search Distance (Miles)	Total Sites Plotted
State and Tribal Leaking Storage Tank Lists			
LUST	Geotracker's Leaking Underground Fuel Tank Report	0.5	0
SLIC	Statewide Spills, Leaks, Investigations and Cleanup Cases	0.5	5
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land	0.5	0
State and Tribal Registered Storage Tank Lists			
UST	Active UST Facilities	0.25	1
AST	Aboveground Petroleum Storage Tank Facilities	0.25	3
INDIAN UST	Underground Storage Tanks on Indian Land	0.25	0
FEMA UST	Underground Storage Tank Listing	0.25	0
State and Tribal Voluntary Cleanup Sites			
INDIAN VCP	Indian Voluntary Cleanup Sites	0.50	0
VCP	Voluntary Cleanup Sites	0.50	0
Local Brownfield Lists			
U.S. BROWNFIELDS	A Listing of Brownfields Sites	0.50	0
Local Lists of Landfill/Sold Waste Disposal Sites			
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	0.50	0
ODI	Open Dump Inventory	0.50	0
SWRCY	Recycler Database	0.50	0
HAULERS	Registered Waste Tire Haulers Listing	TP	0
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	0.50	0
WMUDS/SWAT	Waste Management Unit Database	0.5	2
Local Lists of Hazardous Waste/Contaminated Sites			
US CDL	Clandestine Drug Labs	TP	0
HIST Cal-Sites	Historical Cal-Sites Database	1.0	0
SCH	School Property Evaluation Program	0.25	0
Toxic Pits	Toxic Pits Cleanup Act Sites	1.0	1
CDL	Clandestine Drug Labs	TP	0
US HIST CDL	National Clandestine Laboratory Register	TP	0
Local Lists of Registered Storage Tanks			
CA FID UST	Facility Inventory Database	0.25	1
HIST UST	Hazardous Substance Storage Container Database	0.25	3

TABLE 5
EDR DATABASE REPORT SUMMARY (Continued)

Database	Name/Description	Search Distance (Miles)	Total Sites Plotted
SWEEPS UST	Statewide Environmental Evaluation and Planning System Underground Storage Tank Listing	0.25	1
Local Land Records			
LIENS 2	CERCLA Lien Information	TP	0
LIENS	Environmental Liens Listing	TP	0
DEED	Deed Restriction Listing	0.5	0
Records of Emergency Release Reports			
HMIRS	Hazardous Materials Information Reporting System	TP	0
CHMIRS	California Hazardous Material Incident Report System	TP	3
LDS	Land Disposal Sites Listing	TP	0
MCS	Military Cleanup Sites Listing	TP	0
SPILLS 90	FirstSearch Database of Hazardous Substance Spills Recorded after 1990	TP	0
Other Ascertainable Records			
RCRA-NonGen/NLR	RCRA – Non-Generators	0.25	0
DOT OPS	Incident and Accident Data	TP	0
DOD	Department of Defense	1.0	0
FUDS	Formerly Used Defense Sites	1.0	1
CONSENT	Superfund (CERCLA) Consent Decrees	1.0	0
ROD	Records Of Decision	1.0	0
UMTRA	Uranium Mill Tailings Sites	0.5	0
US MINES	Mines Master Index File	0.25	0
TRIS	Toxic Chemical Release Inventory System	TP	0
TSCA	Toxic Substances Control Act	TP	0
FTTS	FIFRA/TSCA Tracking System – FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)/TSCA (Toxic Substances Control Act)	TP	0
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	TP	0
SSTS	Section 7 Tracking Systems	TP	0
ICIS	Integrated Compliance Information System	TP	0
PADS	PCB Activity Database System	TP	0
MLTS	Material Licensing Tracking System	TP	0

TABLE 5
EDR DATABASE REPORT SUMMARY (Continued)

Database	Name/Description	Search Distance (Miles)	Total Sites Plotted
RADINFO	Radiation Information Database	TP	0
FINDS	Facility Index System/Facility Registry System	TP	3
RAATS	RCRA Administrative Action Tracking System	TP	0
RMP	Risk Management Plans	TP	2
CA BOND EXP. PLAN	Bond Expenditure Plan	1.0	1
NPDES	NPDES Permits Listing	TP	1
UIC	Underground Control Injection Wells	TP	0
Cortese	"Cortese" Hazardous Waste and Substances Sites List	0.50	0
HIST CORTESE	Hazardous Waste & Substance Site List	0.50	0
CUPA Listings	CUPA Resources List	0.25	0
Notify 65	Proposition 65 Records	1.0	0
DRYCLEANERS	Cleaner Facilities	0.25	0
VENTURA CO. BWT	Business Plan, Hazardous Waste Producers, and Operating Underground Tanks	TP	0
WIP	Well Investigation Program Case List	0.25	0
ENF	Enforcement Action Listing	TP	1
HAZNET	Facility and Manifest Data	TP	2
EMI	Emissions Inventory Data	TP	1
INDIAN RESERV	Indian Reservations	1.0	0
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	0.5	0
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	0.5	0
PCB Transformer	PCB Transformer Registration Database	TP	0
US FIN ASSUR	Financial Assurance Information	TP	1
EPA WATCH LIST	EPA Watch List	TP	0
MWMP	Medical Waste Management Program Listing	0.25	0
LEAD SMELTERS	Lead Smelter Sites	TP	0
PRP	Potentially Responsible Parties	TP	0
2020 COR ACTION	2020 Corrective Action Program List	0.25	0
COAL ASH DOE	Steam-Electric Plant Operation Data	TP	0
US AIRS	Aerometric Information Retrieval System Facility Subsystem	TP	1
WDS	Waste Discharge System	TP	2
MED WASTE VENTURA	Medical Waste Program List	TP	0

TABLE 5
EDR DATABASE REPORT SUMMARY (Continued)

Database	Name/Description	Search Distance (Miles)	Total Sites Plotted
HWP	EnviroStor Permitted Facilities Listing	1.0	1
Financial Assurance	Financial Assurance Information Listing	TP	0
PROC	Certified Processors Database	0.5	0
HWT	Registered Hazardous Waste Transporter Database	0.25	0
EDR High Risk Historical Records			
EDR MGP	EDR Proprietary Manufactured Gas Plants	1.0	0
EDR US Hist Auto Stat	Gas Station/Filling Station/Service Station Sites	0.25	1
EDR US Hist Cleaners	EDR Exclusive Historical Dry Cleaners	0.25	0
EDR Recovered Government Archives			
RGA LF	Recovered Government Archive Solid Waste Facilities List	TP	0
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank Database	TP	0

Notes: TP-Target Property

MGS (A2) at 393 North Harbor Boulevard was identified with USEPA ID CAR000038174 as a generator of hazardous waste on the RCRA Large-Quantity Generator (LQG) database. The facility was identified with Registry ID 110000517717 on the Facility Index System (FINDS) database. No violations were reported.

MGS (A3) at 393 North Harbor Boulevard was identified with Facility ID 6731 on the RMP database. No violations were reported.

SCE (A4) at 393 Harbor Blvd was identified with Facility ID D1204 on the UST database. Facility status was reported as "Inactive." No violations were reported.

393 Harbor Boulevard (A5) was identified as a historical gas station on the US Hist Auto Stat database. No violations were reported.

MGS (A6) at 393 North Harbor Boulevard was identified with Site ID 90189516 on the Emergency Response Notification System (ERNS) database. A release of lubricating oil to the Pacific Ocean reportedly occurred on December 20, 1990. No additional information was provided.

SCE-Mandalay 220-kilovolt Switch Yard (A7) at 393 North Harbor Boulevard was identified with Registry ID 110055768058 on the FINDS database. No violations were reported.

393 N. Harbor Boulevard (A8) was identified with Site ID 2000537901 on the ERNS database. A release of approximately 5 gallons of waste oil to the Pacific Ocean reportedly occurred on August 7, 2000. No additional information was provided.

MGS LLC (A9) at 393 North Harbor Boulevard was identified with TSD EPA IDs TXD000838896, CAT080013352, and WID003967148 on the Hazardous Waste Information System of Facility and Manifest Data (HAZNET) database. Waste Disposal Methods were reported as "Incineration-Thermal Destruction Other Than Use as a Fuel, Other Recovery of Reclamation for Reuse Including Acid Regeneration, Organics Recovery, and Storage, Bulking, and/or Transfer Off Site-No Treatment/Recovery."

MGS (A10) at 393 North Harbor Boulevard was identified with Facility IDs 54639, 1000043692, and 33191 on the RMP database.

SCE (A11) at 393 North Harbor Boulevard was identified with Facility ID 56004702 on the California Facility Inventory Database of Underground Storage Tanks (CA FID UST) database with a status of "Active." The facility is identified on the Statewide Environmental Evaluation and Planning System Underground Storage Tank Listing (SWEEPS UST) database with a status of "Active."

In front of the MGS (A12) at 393 North Harbor Boulevard was identified with Incident Number 02-2696 on the California Hazardous Material Incident Report System (CHMIRS) database. A release to the Pacific Ocean reportedly occurred on May 20, 2002. Cleanup was reportedly performed by a Contractor. No additional information was provided.

Mandalay Power Generation (A13) at 393 North Harbor Boulevard was identified as an active Toxic Pits Cleanup Act Site on the Toxic Pits database. The facility was identified with Incident Number 00-3530 on the CHMIRS database. A release to the Pacific Ocean reportedly occurred in August 7, 2000. The facility was identified on the Emissions Data Inventory (EMI) database and reports to the Ventura County Air Pollution Control District.

393 North Harbor Boulevard between Ventura Harbor and Channel Islands (A14) was identified with Site ID 93304184 on the ERNS database. A release of unknown oil to the Pacific Ocean reportedly occurred on February 9, 1993. No additional information was provided.

SCE (A15) at 393 North Harbor Boulevard was identified with TSD EPA ID CAD050806850 on the HAZNET database. Waste Category was reported as "PCBs and material containing PCBs." Waste Disposal Method was reported as "Transfer Station."

MGS (Advanced Onsite Sewage Treatment) (A16) at 393 North Harbor Boulevard was identified with Permit Number CAS000002 on the NPDES database. Facility Status was reported as "Terminated." The facility was identified with Permit Numbers CA0001180 and

CAS000001 on the NPDES database. Facility Status was reported as "Active." The facility was identified with Facility ID 00000022184 on the Historical Underground Storage Tank (HIST UST) database for 15 historical USTs. The facility was identified with Facility ID 242209 on the Enforcement Action Listing (ENF) database. Effluent limit violations were reported. There was reportedly only one historical UST on the MGS property. A 1,000-gallon gasoline UST was removed from the property in 1995. No further action was recommended for the former UST area. There are reportedly no USTs currently on the MGS Site.

Edison Canal Maintenance Dredging (A17) at 393 North Harbor Boulevard was identified with Facility ID Santa Clara River 562019003 on the WDS database. Facility type was reported as "Other," and facility status was reported as "Active."

MGS (A18) at 393 North Harbor Boulevard was identified with Facility ID 00000066308 on the HIST UST database for two historical USTs. There was reportedly only one historical UST on the MGS property. A 1,000-gallon gasoline UST was removed from the property in 1995. No further action was recommended for the former UST area. There are reportedly no USTs currently on the MGS Site.

393 Harbor Boulevard (A19) was identified with Incident ID 13-1094 on the CHMIRS database. A release of hydraulic oil reportedly occurred on February 21, 2013. Cleanup was reportedly performed by the Reporting Party.

Genon Mandalay (A20) at 393 North Harbor Boulevard was identified with Registry ID 110054084904 on the FINDS database. No violations were reported.

SCE-MGS AST Farm (C27) at 303 North Harbor Boulevard was plotted by EDR to be located north-northeast to the property, but is located adjacent to the south of the property. The facility was identified on the Spills, Leaks Investigations and Cleanup (SLIC) database with a Facility Status of "Completed-Case Closed" as of October 27, 2003. No additional information was provided.

A summary of agency databases searched can be found in the EDR Radius Map Report provided as Appendix E.

6.1.2 Adjacent Properties

The following properties were identified on the EDR Radius Map as being adjacent to the property.

Paradigm Environmental (B21) at 198 North Harbor Boulevard is east-southeast and topographically upgradient from the property. The facility was identified on the AST

database for a 5,500-gallon tank. No violations were reported. Based on the regulatory status, this facility is not anticipated to have impacted the property.

Unocal-Mandalay Facility (B22) at 201 North Harbor Boulevard is east-southeast and topographically upgradient from the property. The facility was identified on the SLIC database with a Facility Status of "No Further Action Required." No additional information was provided. Based on the regulatory status, this facility is not anticipated to have impacted the property.

Nuevo Mandalay Onshore Facility (B23) at 201 North Harbor Boulevard is east-southeast and topographically upgradient from the property. The facility was identified with EPA ID CAR000012310 as an SQG of hazardous waste on the RCRA-SQG database. The facility was identified with Registry ID 110009552536 on the FINDS database. No violations were reported. Based on the regulatory status, this facility is not anticipated to have impacted the property.

Mandalay Support Facility (C24) at 201 North Harbor Boulevard is northeast and topographically upgradient from the property. The facility was identified on the HIST UST database for an 8,400-gallon waste oil tank reportedly installed in 1980. The facility was identified with Incident Number 02-1098 on the CHMIRS database. A release of crude oil reportedly occurred on February 26, 2002. Cleanup was reportedly performed by the Reporting Party. No additional information was provided. Based on the regulatory status, this facility has the potential to have impacted the property.

Mandalay Onshore Facility (C25) at 201 North Harbor Boulevard was identified on the AST database for a 210,000-gallon tank. No violations were reported. No additional information was provided. Based on the regulatory status, this facility is not anticipated to have impacted the property.

Oxnard Dunes Subdivision (26) at Harbor Boulevard is east-northeast and topographically upgradient from the property. The facility was identified on the SLIC database with a Facility Status of "Open-Inactive" as of January 1, 1965. No additional information was provided. Based on the regulatory status, this facility is not anticipated to have impacted the property.

6.1.3 Site Vicinity

AECOM reviewed the EDR database report to identify off site facilities that have suspected or documented environmental concerns or RECs that may negatively impact the subject property. AECOM's criteria for further evaluating the potential impact of a listed offsite facility are summarized below:

- The listed offsite facility is documented or assumed to be hydrogeologically upgradient, and a likely pathway exists for known releases of environmentally mobile contaminants to reach the subject property; or contaminants from the listed offsite facility can reach the subject property through other pathways (i.e., surface runoff); and

- The listed offsite facility is listed as an open case on one of the following databases: Federal NPL, Federal CORRACTS, Federal CERCLIS, Federal ERNS, and State-specific lists, including, but not limited to State Hazardous Waste Sites, State SCL, State LUST, State Deed Restrictions, State Toxic Pits, and Landfill (excluding transfer stations); or

- The listed offsite facility is a known or suspected concern based on AECOM's experience or observations made during the site reconnaissance (i.e., dry-cleaning operations that may or may not be listed as RCRA-SQG or a nonadjacent UST site that appears to have a remediation system in place).

AECOM identified the following facilities in the site vicinity that—using the criteria discussed above—could be a potential concern.

North Shore Mandalay Bay (D28) at 500 West Harbor Blvd is north-northeast and topographically upgradient from the property. The facility was identified on the SLIC database with a Facility Status of "Open-Remediation" as of June 30, 2002. Potential contaminants of concern were reported as metals/heavy metals, petroleum/fuels/oil, polynuclear aromatic hydrocarbons (PAH), and VOCs. Based on the distance of the facility from the property, the facility is not anticipated to have impacted the property.

EPTC-Mandalay (D2) at 373 North Harbor Boulevard is north-northeast and topographically upgradient from the property. The facility was identified with Incident Number 02-2492 on the CHMIRS database. A release of No. 6 Fuel Oil reportedly occurred on May, 8, 2002. Cleanup was reportedly performed by the Reporting Party. No additional information was provided. The facility was identified with EPA ID CAD000630913 on the HWP database. The Facility Type was reported as "Historical-Non-Operating," and the Cleanup Status was reported as "Undergoing Closure." Based on the regulatory status, this facility is not anticipated to have impacted the property.

Mandalay Marine Pipe Line Facility (30) at 373 North Harbor Boulevard is southeast and topographically upgradient from the property. The facility was identified on the SLIC database with a Facility Status of "Completed-Case Closed" as of July 7, 2003. The facility was identified with Facility ID 60001191 on the EnviroStor database. Facility status was reported as "Active," and Site Type was reported as "Corrective Action," as of February 1, 1995. Potential chemical of concern was reported as PCBs. The Remedial Action Completion Report is reportedly due on April 30, 2015. Based on the regulatory status of

this facility, and the distance of the facility from the property, this facility is not anticipated to impact the property.

J.N.J. Disposal-S.T. Carney Landfill (E31) is southeast and topographically upgradient from the property. The facility was identified on the Waste Management Unit Database (WMUDS)/SWAT database. No additional information was provided. Based on the distance of this facility from the property, it is not anticipated to have impacted the property.

JNJ Sales & Service (E33) at 5th Street and Harbor is southeast and topographically upgradient from the property. The facility was identified with Site ID 0901840 and USEPA ID CAD980636773 on the CERCLIS database. On April 26, 2007, the Facility Status was reported as "Site Reassessment Start Needed." On January 2, 1990 the Site Priority Level was reported as "Higher Priority for Further Assessment." Based on the distance of the facility from the property, it is not anticipated to have impacted the property.

JNJ 1982 (E34) at the corner of 5th Street and Harbor Boulevard is southeast and topographically upgradient from the property. The facility was identified with Facility ID 56-CR-0055 as a Solid Waste Disposal Site on the Solid Waste Information System/Landfill (SWF/LF) database. No additional information was provided. Based on the regulatory status and the distance of the facility from the property, it is not anticipated to have impacted the property.

Oxnard Seacoast Battery (F35 and F36) is south-southeast of the property. The facility was identified with Facility ID CA9799F5550 as a Formerly Used Defense Site (FUDS). No additional information was provided. The facility was identified with Facility ID 80000347 on the EnviroStor database. Facility status was reported as "Inactive-Needs Evaluation," and Site Type was reported as "Military Evaluation," as of July 1, 2005. No additional information was provided. Based on the distance of the facility from the property, it is not anticipated to have impacted the property.

North Shore at Mandalay Bay (37) at Harbor Boulevard and West 5th Street is southeast and topographically upgradient from the property. The facility was identified with Facility ID 19000021 on the Voluntary Cleanup Program Properties (VCP) database. On October 11, 2012 the Facility Status was reported as "Active." The facility was identified with Facility ID 19000021 on the EnviroStor database. Facility Status was reported as "Active," and Facility Site Type was reported as "Voluntary Cleanup," on October 11, 2012. A Voluntary Cleanup Agreement was executed and effective as of December 30, 2013. Based on the regulatory status and the distance of the facility from the property, it is not anticipated to have impacted the property.

Dunes Subdivision (38) is southeast and topographically upgradient from the property. The facility was identified on the CA BOND EXP Plan database. The facility was identified with Facility ID 56290172 on the State Response Sites (RESPONSE) database. Site Type was

reported as "State Response or National Priorities List (NPL)." The facility was identified with Facility ID 56290172 on the EnviroStor database. Facility Status was reported as "De-listed." Potential chemicals of concern were reported as "Unspecified Oil Containing Waste, Waste Oil & Mixed Oil, and Drilling Mud." Based on the regulatory status and the distance of the facility from the property, it is not anticipated to have impacted the property.

6.1.4 Orphan Sites

AECOM reviewed EDR's Orphan Summary, which is a listing of sites that have not been geo-coded (coded and plotted on EDR maps) based on lack of sufficient data regarding their exact location in the general area. The property was not identified as an Unmapped Site. No additional Unmapped Sites identified on the Orphan Summary appear to be located within the ASTM-designated radii of the property; therefore, AECOM has no evidence that any orphan sites have had an impact on the property.

6.1.5 Vapor Migration

To evaluate the potential migration of hazardous substances or petroleum products in vapor, AECOM conducted a Vapor Encroachment Screening (VES) using EDR's E2600-10 Tier 1 Vapor Encroachment Screening tool (VEC App), in general accordance with the procedures included in ASTM E 2600-10, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions. The purpose of the VES is to determine if a potential Vapor Encroachment Condition (VEC) exists, likely exists, cannot be ruled out, or can be ruled out because a VEC does not or is not likely to exist. The VES is not an exhaustive screening; and is intended to reduce, but not eliminate, uncertainty regarding whether or not a VEC exists in connection with a property. The EDR Vapor Encroachment Screen prepared for this property is provided in Appendix E.

6.1.5.1 Property

As noted in Section 6.1.1, the property was identified on the RCRA-TSDF, RCRA-SQG, AST, US FIN ASSUR, US AIRS, WDS, RCRA-LQG, FINDS, RMP, UST, US Hist Auto Stat, ERNS, HAZNET, CA FID UST, SWEEPS UST, CHMIRS, Toxic Pits, EMI, NPDES, ENF, and HIST UST databases. Based on the EDR Vapor Encroachment Screen, a VEC exists for the property.

6.1.5.2 Site Vicinity

As defined by ASTM E2600-10, offsite properties with known or suspected soil or groundwater contamination located within an approximate minimum search distance of 1,760 feet (⅓ mile) for hazardous substances (volatile and semi-volatile nonpetroleum hydrocarbons; e.g., perchloroethylene associated with dry cleaners) or 528 feet (1/10 mile) for petroleum hydrocarbons (e.g., gasoline fuel associated with gas stations), were evaluated to determine if a potential VEC exists for the property.

Five facilities in the site vicinity within 1/10 mile of the property, with known or suspected releases of petroleum products, were identified in the EDR Radius Map Report.

- **Unocal-Mandalay Facility** at 201 Harbor Boulevard was identified by EDR to be 154 feet east-southeast of the property. The facility was identified on the SLIC database with a Facility Status of "No Further Action Required." No additional information was provided. Based on the EDR Vapor Encroachment Screen, the potential of this facility to have created a potential VEC for the property cannot be ruled out.

- **Oxnard Dunes Subdivision** at Harbor Boulevard was identified by EDR to be 269 feet east-northeast of the property. The facility was identified on the SLIC database with a Facility Status of "Open-Inactive," as of January 1, 1965. No additional information was provided. Based on the EDR Vapor Encroachment Screen, the potential of this facility to have created a potential VEC for the property cannot be ruled out.

- **MGS AST Farm** at 303 North Harbor Boulevard was identified by EDR to be 351 feet north-northeast of the property. The facility was identified on the SLIC database with a Facility Status of "Completed-Case Closed," as of October 27, 2003. No additional information was provided. Based on the EDR Vapor Encroachment Screen, the potential of this facility to have created a potential VEC for the property cannot be ruled out.

- **North Shore Mandalay Bay** at 500 West Harbor Boulevard was identified by EDR to be 415 feet north-northeast of the property. The facility was identified on the SLIC database with a Facility Status of "Open-Remediation," as of June 30, 2002. Potential contaminants of concern were reported as metals/heavy metals, petroleum/fuels/oil, PAHs, and VOCs. Based on the EDR Vapor Encroachment Screen, the potential of this facility to have created a potential VEC for the property cannot be ruled out.

- **EPTC-Mandalay** at 373 North Harbor Boulevard was identified by EDR to be 465 feet north-northeast of the property. The facility was identified with Incident Number 02-2492 on the CHMIRS database. A release of No. 6 Fuel Oil reportedly occurred on May 8, 2002. Cleanup was reportedly performed by the Reporting Party. No additional information was provided. The facility was identified with EPA ID CAD000630913 on the HWP database. The Facility Type was reported as "Historical-Non-Operating," and the Cleanup Status was reported as "Undergoing Closure." Based on the EDR Vapor Encroachment Screen, the potential of this facility to have created a potential VEC for the property cannot be ruled out.

6.2 AGENCY CONTACTS

During the performance of an environmental assessment, state and local regulatory agencies having jurisdiction over the property are contacted to assess the following information: the status of relevant environmental permits; whether there have been any violations, or other similar correspondence from such agencies; whether corrective action or remediation is

planned, currently taking place, or was completed at the property; whether there were any reported violations or complaints that the property is not in compliance with environmental laws, regulations, or standards, and whether the property is under investigation for such noncompliance; whether the property is listed on any of the regulatory databases; and whether there is any other pertinent documentation on file with such regulatory agencies regarding the property or surrounding sites of concern. The following agencies were contacted:

- The DTSC was contacted. The DTSC maintains files for the property. The property was cited in the EnviroStor database for RCRA Surface Impoundments. Site ID was reported as 60001191, Site type was Corrective Action and Site Status was Active. Documents and reports obtained during a file review at the DTSC and from the EnviroStor Database are summarized in Section 4.5, Previous Environmental Investigations.

- The RWQCB was contacted. The RWQCB Maintains files for the property. The property was cited in the State Water Quality Control Board GeoTracker® database for RCRA Surface Impoundments. Site ID was reported as 60001191, Site type was Corrective Action and Site Status was Active. Documents and reports obtained from the GeoTracker® Database are summarized in Section 4.5, Previous Environmental Investigations.

- The Ventura County Air Pollution Control District (VCAPCD) was contacted. The VCAPCD maintain files for the property that include: complaints regarding odors and visible emissions from 2000 through 2013 (these did not become violations); and seven NOVs for excess oxides of nitrogen and ammonia emissions, exceeding permitted fuel throughput, exceeding reactive organic compound limits, permit condition not met, and improper Phase II vapor recovery from 1997 through 2006 (all of the NOVs were closed).

- The County of Ventura, Environmental Health (CUPA) was contacted. The CUPA does not maintain files for the property in their online database. According to Greg Adille with the CUPA, the files consist of hazardous materials inspections, correspondence between the CUPA and Plant Operators, emergency response information, notices to comply regarding reporting requirements, hazardous materials inventories, and site plans. There was no information regarding enforcement actions in the CUPA files.

- The USEPA Envirofacts Multisystem database was reviewed. The property was not identified in the database.

- The USEPA Enforcement and Compliance History Online (ECHO) database was reviewed. Current compliance status for Statute Clean Air Act (CAA) and Statute RCRA were reported as "No Violation." Current compliance status for Statute Clean Water Act (CWA) was reported as "Noncompliance." See Section 4.5, Previous Environmental Investigations, for information regarding ongoing assessment and remediation at the property.

SECTION 7.0
CONCLUSIONS

AECOM has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527 for the MGS Site in Ventura County, California. Any exceptions to or deletions from this practice are described in Sections 1.3 and 1.5. This assessment has revealed the following REC associated with the property.

- A Final Judgment pursuant to the Stipulation handed down by the Superior Court of California, Los Angeles County, on February 1, 1995, alleged that SCE had stored hazardous wastes in unpermitted surface impoundments and associated sumps. In 1995, SCE implemented a Water Quality Monitoring Program on the property. Forty-seven wells were installed at the MGS facility as part of the groundwater monitoring system for the retention basins. Field investigations have been performed in and around the retention basin site to characterize soil, soil gas, and groundwater in the areas historically impacted by boiler chemical cleaning operations. According to the approved Closure Plan, the soil at the retention basin site had been characterized as sufficient to proceed with site remediation and closure. The Closure Plan also indicated that groundwater at the retention basin site had been characterized, and the data collected were sufficient to proceed with site remediation and closure. According to a briefing report provided on March 6, 2015, by Mr. Steven Rounds (MGS Case Worker with the DTSC), the Closure Plan was approved by DTSC in 2007; it passed public comment period, and the approved remedy is currently being implemented. As part of the approved remedy, the DTSC gave approval for the removal of contaminated soil, which was performed in 2011. A Land Use Covenant will reportedly be put in place, restricting the use of groundwater pumped from the site. According to the DTSC EnviroStor database, the Remedial Action Completion Report is due on April 30, 2015.

- Impacts to soil were identified beneath the 21,000-barrel distillate tank on the southern boundary of the property. Previous investigations of soil performed beneath and around the AST indicated the petroleum hydrocarbons were detected in soil to a maximum depth of 6 inches. The report concluded that the soil beneath the tank had been impacted with oil that was placed during construction for corrosion protection. The soil was further analyzed for waste profile characteristics, and it was reported that the soil would not be considered hazardous waste. It was recommended that petroleum-impacted soil be left in place. Based on a letter from the Los Angeles RWQCB dated May 26, 1995, the RWQCB reportedly concurred that the soil could be left in place until the tank was decommissioned and removed from the site.

- Based on past industrial practices and activities at the facility, there is the potential for subsurface impacts to areas in the MGS that were not previously assessed and remediated. These areas include, but are not limited to, the powerblock area around

Units 1, 2, and 3; the transformer areas; the former insulator test facility; pipeline areas; oil pumping areas; historical dredge spoil pile areas; the oil/water separator and collection sump; and the AST and chemical storage areas.

- There is the potential for subsurface impacts to the MGS facility from adjacent properties, including the former tank farm area to the south of the property; the petrochemical facility to the south of the property; and the SCE switchyard to the east of the property.

This assessment has revealed the following HRECs associated with the property:

- A 1,000-gallon gasoline UST was removed from the property in 1995, and the County of Ventura Environmental Health Division determined that cleanup of the UST area was complete. No further action was recommended for the former UST area.

- The submarine pipeline valve pit area was previously investigated by SCE for suspected TPH-impacted soil. This area was reportedly remediated by SCE in 1992.

- No CRECs were identified associated with the property.

It should be noted that based on AECOM's findings, the potential for a VEC exists for the property. In addition, the potential for a VEC cannot be ruled out for the adjacent properties to the south; several of the facilities were identified on the EDR Report.

Data gaps identified during the Phase I ESA did not inhibit AECOM's evaluation for the potential of RECs at the property, and therefore do not alter the conclusions of this report.

Closure activities associated with prior operations of retention basins and associated appurtenances on the MGS property are currently SCE's obligation per the Stipulation, and as the previous owner of the MGS.

SECTION 8.0
PREPARER SIGNATURES AND QUALIFICATIONS

This section includes qualification statements of the environmental professionals responsible for conducting the Phase I ESA and preparing this report.

Ms. Tricia Winterbauer of the AECOM Santa Barbara, California office directed the site reconnaissance by qualified AECOM personnel, conducted the data review for the project, and wrote the Phase I ESA report. Ms. Winterbauer has 18 years of experience in environmental site investigations, characterizations, and Phase I ESAs.

The work conducted and the report written by Ms. Winterbauer was reviewed by Mr. David Bernal, PG. Mr. Bernal has over 25 years of experience in environmental site investigations, characterizations, and Phase I ESAs.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312, and have performed the Phase I ESA in general conformance with the standards and practices set forth in ASTM E1527-13 subject to the limitations and data gaps as described in this reported and the authorized scope of work.



Tricia Winterbauer
Senior Environmental Specialist



David Bernal, PG #5554
Principal Geologist

SECTION 9.0
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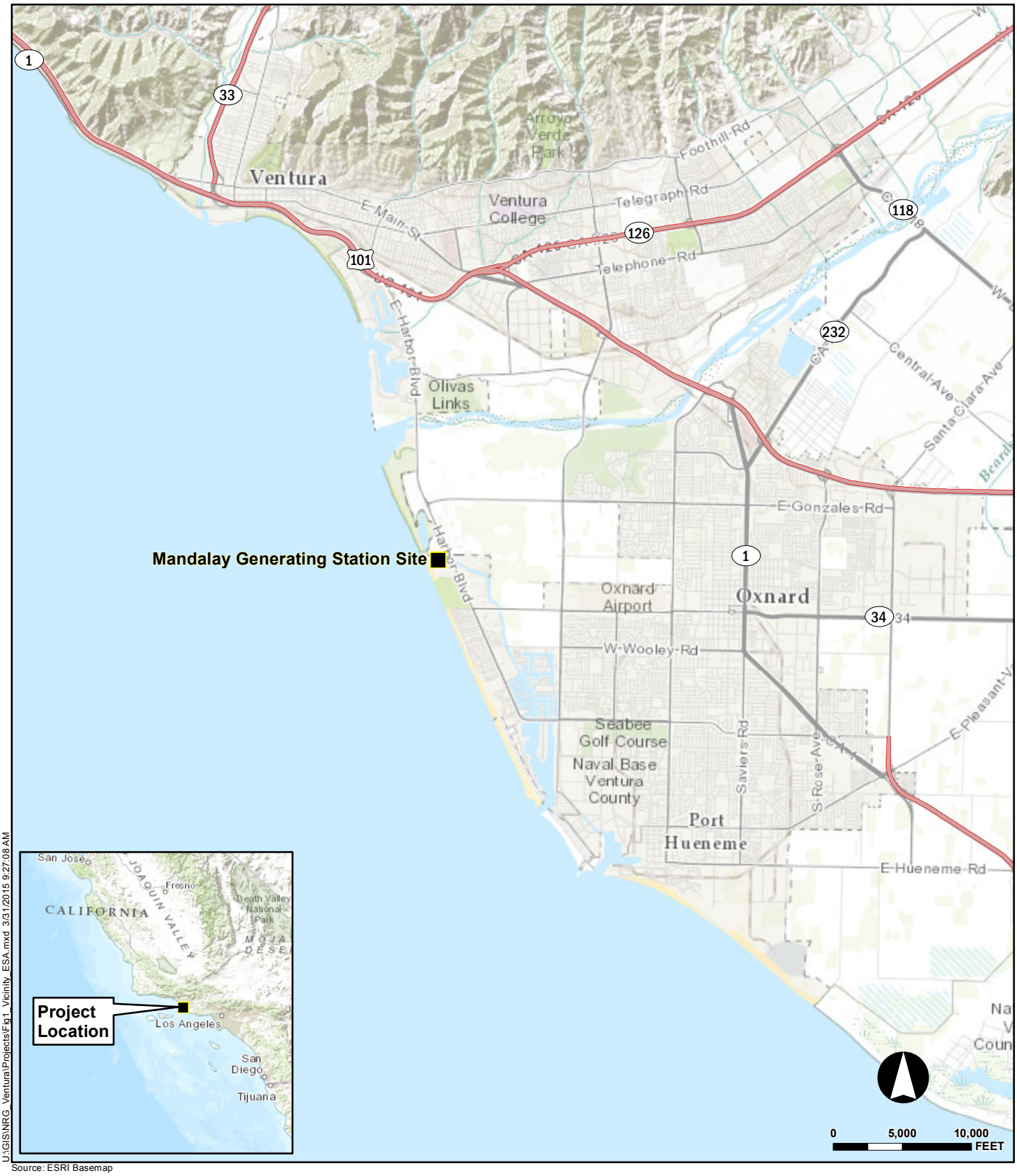
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FIGURES



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Source: ESRI Basemap

SITE VICINITY MAP

■ Mandalay Generating Station Site

NRG
Mandalay Generating Station
2015 Oxnard, California

FIGURE 1

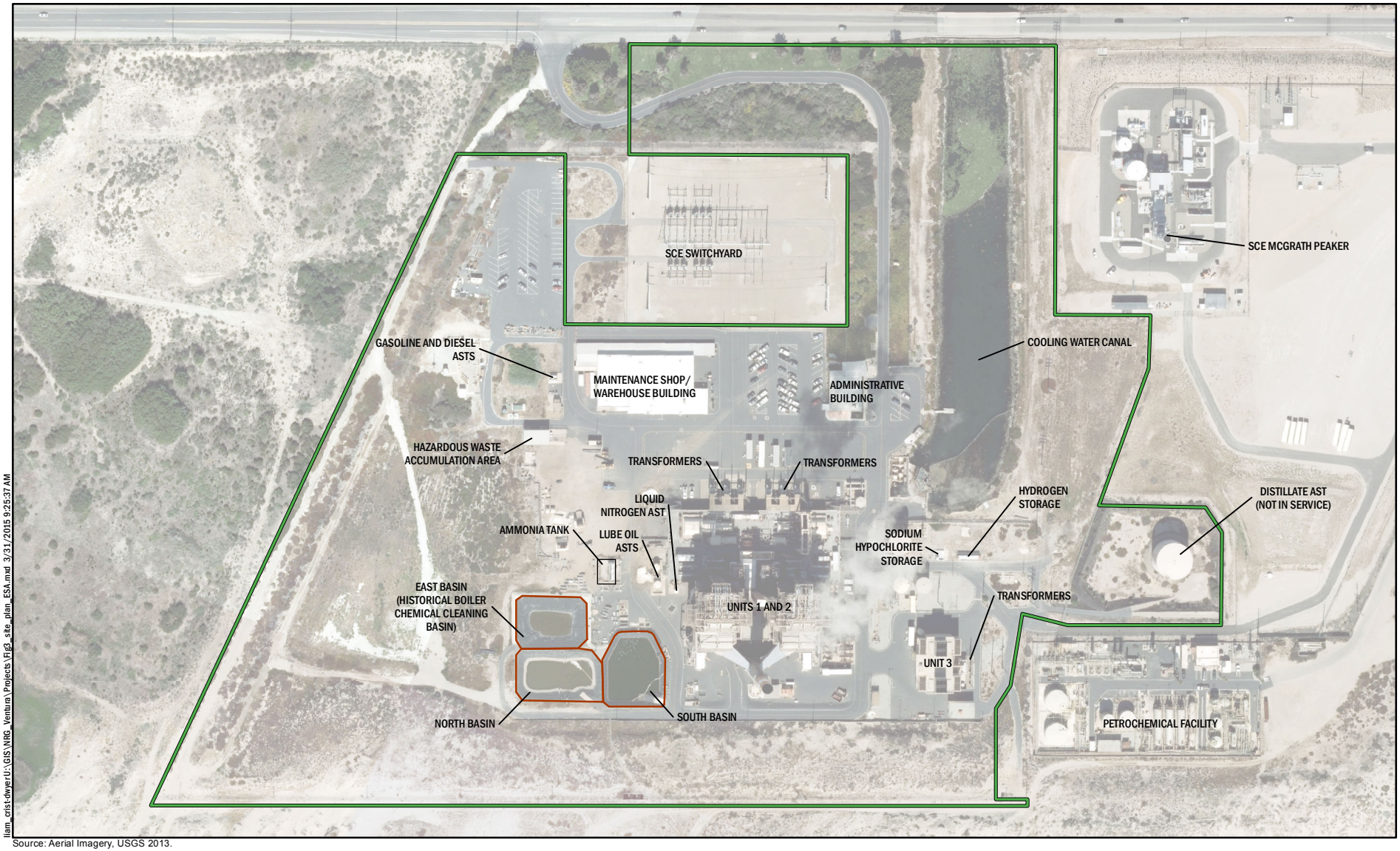


Mandalay Generating Station
Property Boundary

PROJECT LOCATION MAP

NRG
Mandalay Generating Station
2015 Oxnard, California

FIGURE 2



Source: Aerial Imagery, USGS 2013.

Mandalay Generating Station Site

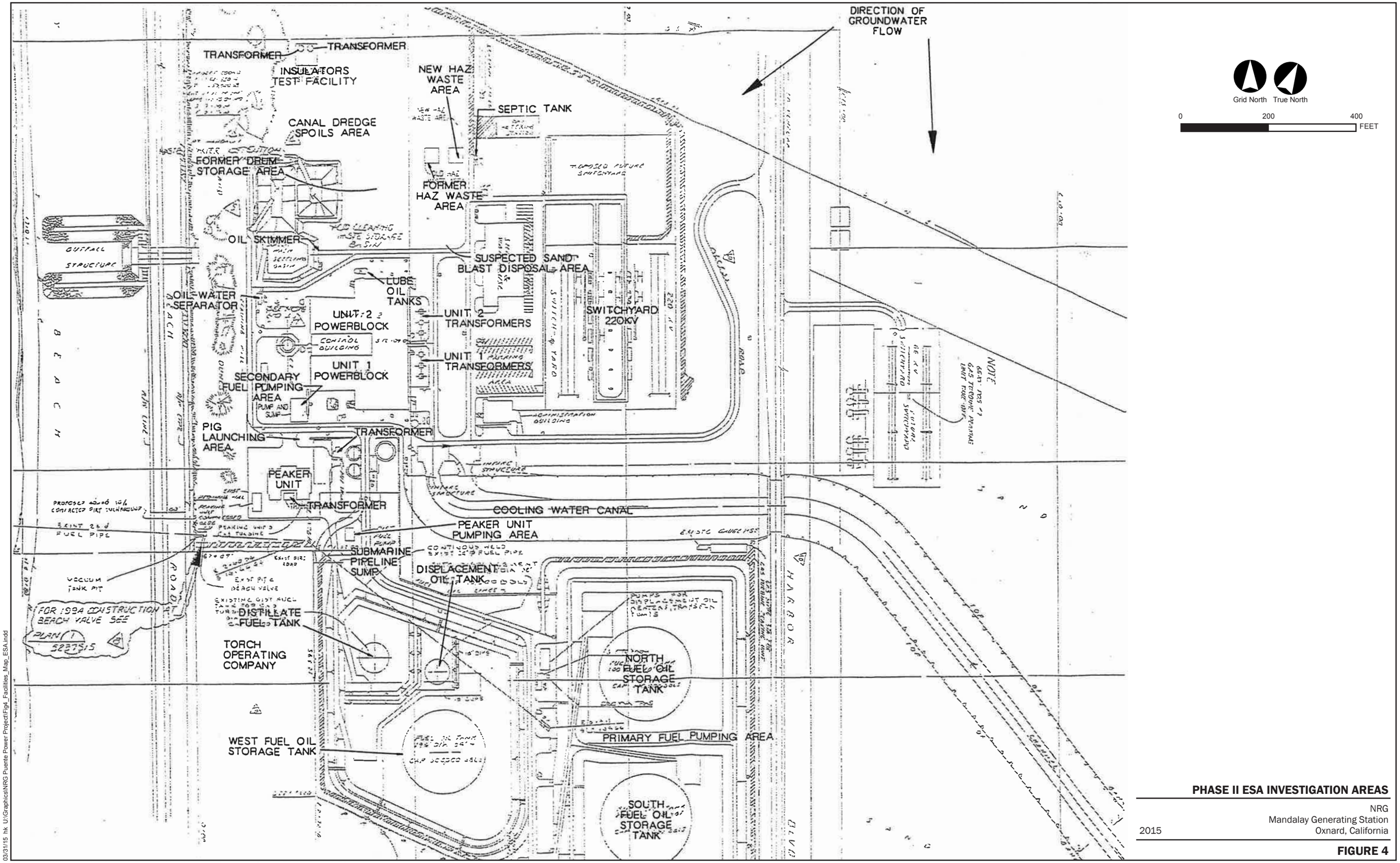
0 125 250 Feet

SITE PLAN

NRG
Mandalay Generating Station
2015 Oxnard, California

FIGURE 3

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03/31/15 hk U:\Graphics\NRG Puente Power Project\Fig4_Facilities_Map_ESA.indd

Source: CH2MHILL, 1997. Figure 2, Facilities Map, Mandalay Generating Station, Edision Phase II ESA.

PHASE II ESA INVESTIGATION AREAS

NRG
Mandalay Generating Station
2015 Oxnard, California

FIGURE 4

APPENDIX A
SITE PHOTOGRAPHS

	Photograph 1 Comments: Entrance to the Mandalay Generating Station from the eastern boundary of the property (view of SCE Switchyard and Units 1 and 2).
	Photograph 2 Comments: View of the Administrative Building facing east.

	Photograph 3 Comments: Facing west toward Units 1 and 2 from the Administration Building.
	Photograph 4 Comments: Facing west from the south of Units 1 and 2.



Photograph 5

Comments:

Sodium hypochlorite tote and concrete secondary containment unit on the southern portion of the property.



Photograph 6

Comments:

Facing north from the southern portion of the property (view of hydrogen storage, ASTs, and Units 1 and 2 in the background).

	Photograph 7 Comments: Facing east from the southern portion of the property (view of electrical transmission lines and McGrath Peaker Plant in the background).
	Photograph 8 Comments: Facing south off site toward petrochemical facility, from the southern boundary of the property.

	Photograph 9 Comments: View of the southwestern corner of the property (fenceline and weather station, followed by sand dunes), facing west.
	Photograph 10 Comments: Facing north from the southwestern corner of the property.



Photograph 11

Comments:

Facing northeast from the southwestern corner of the property.



Photograph 12

Comments:

View of the south side of Unit 3 and associated transformers.



Photograph 13

Comments:

Interior of Unit 3, view of lube oil AST.



Photograph 14

Comments:

Battery room in the interior of Unit 3.



Photograph 15

Comments:

Asbestos warning on the northern exterior wall of Unit 3.



Photograph 16

Comments:

View of south side of Units 1 and stack, facing north from Unit 3.



Photograph 17

Comments:

View of western portion of the property (lube oil storage area, the western portion of Units 1 and Unit 3 in background), facing south.



Photograph 18

Comments:

View of western portion of the property (groundwater monitoring wells, oil/water separator, and retention basins visible in the background), facing north.

	Photograph 19 Comments: View of the south side of Unit 2, facing northeast from the eastern portion of the property.
	Photograph 20 Comments: View of oil/water separator sump and satellite accumulation area on the eastern portion of the property, east of Unit 2.

	Photograph 21 Comments: View of Units 1 and 2 and retention basin from the western boundary of the property, facing southeast.
	Photograph 22 Comments: APN: 879-110-010 View of wastewater outfall and Pacific Ocean, facing west from the western boundary of the property.

	Photograph 23 Comments: South retention basin, facing northeast from the western portion of the property.
	Photograph 24 Comments: View of retention basins, facing east from the western portion of the property.

	Photograph 25 Comments: View of north retention basin, facing east from the western portion of the property.
	Photograph 26 Comments: APN: 879-090-033 View of northwestern portion of the property, facing northeast.



Photograph 27

Comments:

View of northwestern corner of the property, facing northwest.



Photograph 28

Comments:

View of northern property boundary, facing north from the northwestern portion of the property.

	Photograph 29 Comments: View of northern boundary of the property, facing east from the northwestern portion of the property.
	Photograph 30 Comments: APN: 879-090-033 View toward interior of the property, facing southeast, from the northwestern portion of the property.

	Photograph 31 Comments: View of the northwestern portion of the property, facing southwest, from the northern property boundary.
	Photograph 32 Comments: View of Units 1 and 2 and associated structures, facing southwest from the northern boundary of the property.

	Photograph 33 Comments: Natural gas metering station in the northeastern portion of the property.
	Photograph 34 Comments: Facing south at a parking area and SCE switchyard from the northeastern portion of the property.



Photograph 35

Comments:

Facing west from the northeastern portion of the property, toward the Maintenance Shop/Warehouse Building and Units 1 and 2.



Photograph 36

Comments:

Facing south toward the SCE switchyard (off site) from the northeastern portion of the property.



Photograph 37

Comments:

View of septic tanks and leach field north of the Maintenance Shop/Warehouse Building, facing northeast.



Photograph 38

Comments:

View of the fenced hazardous waste accumulation area, facing northwest.

	Photograph 39 Comments: View of interior of hazardous waste accumulation area.
	Photograph 40 Comments: View of gasoline and diesel fuel ASTs

	Photograph 41 Comments: View of 55-gallon drums of diesel fuel stored on secondary containment units adjacent to fuel ASTs.
	Photograph 42 Comments: View of the aqueous ammonia AST to the north of Unit 2.



Photograph 43

View of lube oil ASTs to the north of Unit 2.



Photograph 44

Comments:

View of liquid nitrogen AST to the north of Unit 2.



Photograph 45

Comments:

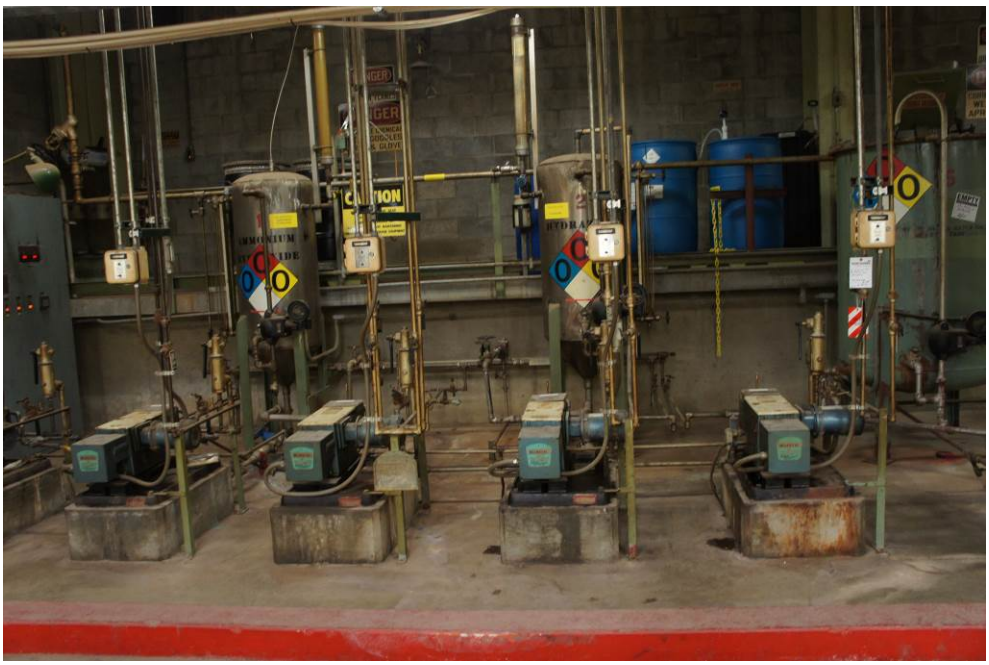
View of lube oil staining beneath equipment in Unit 2.



Photograph 46

Comments:

View of staining of lube oil from equipment in Unit 2.



Photograph 47

Comments:

Chemical feed area in the western portion of the Units 1 and 2 building.



Photograph 48

Comments:

Typical satellite hazardous waste accumulation area in Unit 1.

	Photograph 49 Comments: View of transformers on the eastern side of Units 1 and 2.
	Photograph 50 Comments: View of lube oil building on the western side of Unit 1.



Photograph 51

Comments:

View of Maintenance Shop/Warehouse Building (SCE Switchyard in the background), facing northeast.



Photograph 52

Comments:

View of interior of Maintenance Shop/Warehouse Building.



Photograph 53

Comments:

View of compressed gas storage on the exterior of the Maintenance Shop/Warehouse Building.



Photograph 54

Comments:

View of Units 1 and 2, facing south from the Maintenance Shop/Warehouse Building.

APPENDIX B
EDR HISTORICAL TOPOGRAPHIC MAP REPORT

Mandalay Energy Center Project Site
393 North Harbor Boulevard
Oxnard, CA 93035

Inquiry Number: 4185537.4
January 20, 2015

EDR Historical Topographic Map Report

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

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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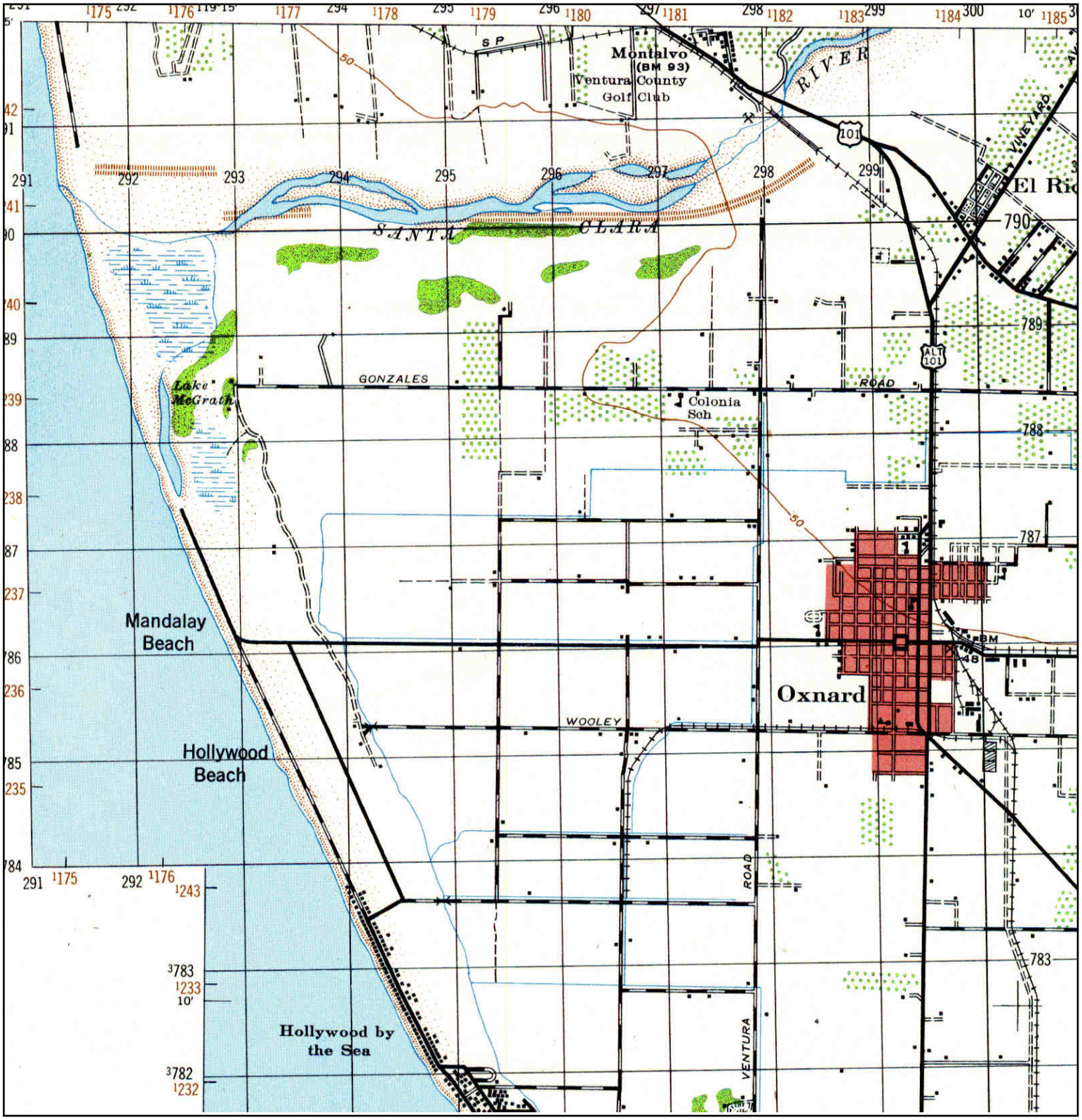
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Historical Topographic Map



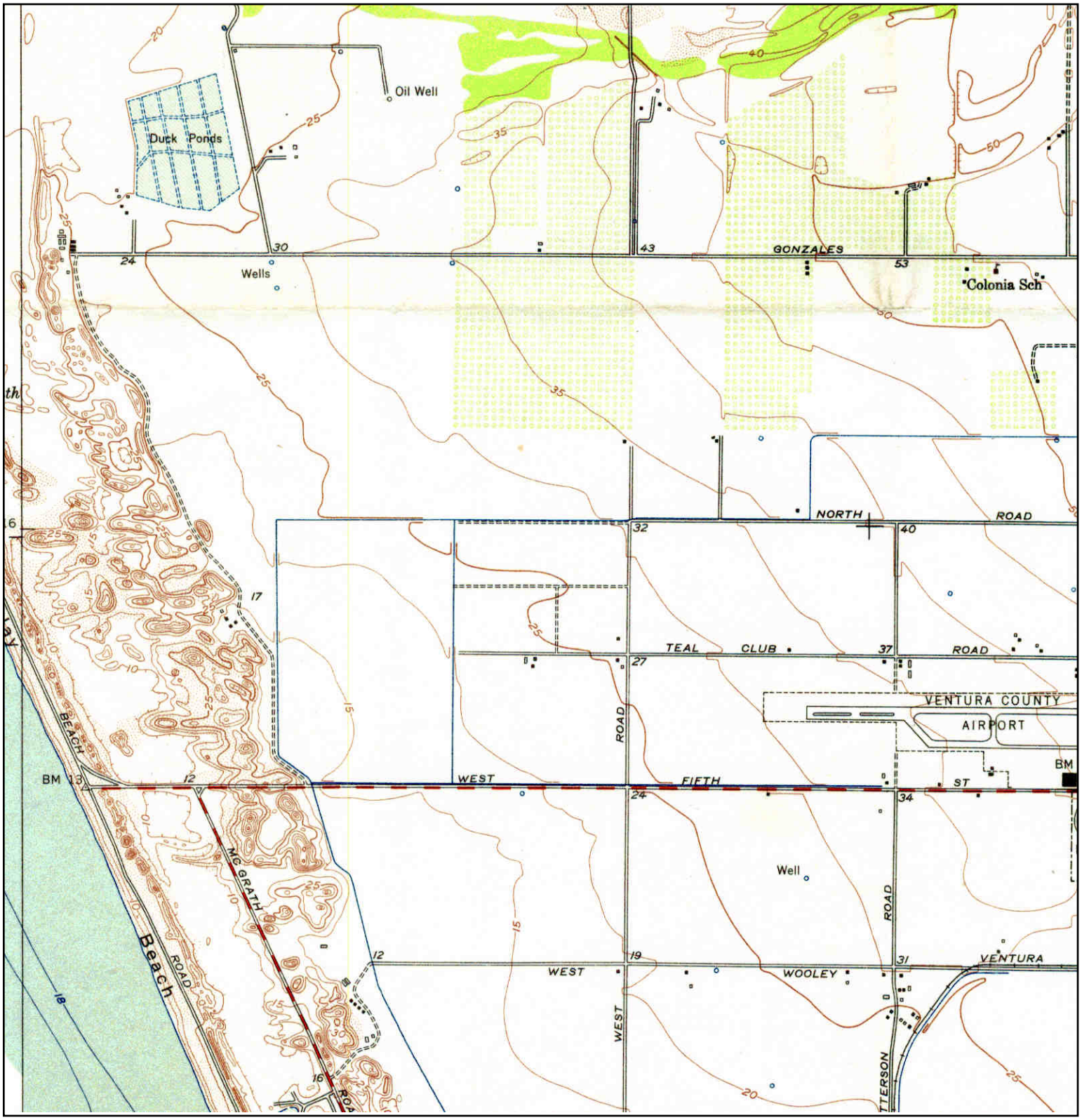
N	TARGET QUAD NAME: SOUTHERN CA SHEET 3 MAP YEAR: 1910 SERIES: 60 SCALE: 1:250000	SITE NAME: Mandalay Energy Center Project Site ADDRESS: 393 North Harbor Boulevard Oxnard, CA 93035 LAT/LONG: 34.2068 / -119.2506	CLIENT: URS Corporation CONTACT: Tricia Winterbauer INQUIRY#: 4185537.4 RESEARCH DATE: 01/20/2015

Historical Topographic Map



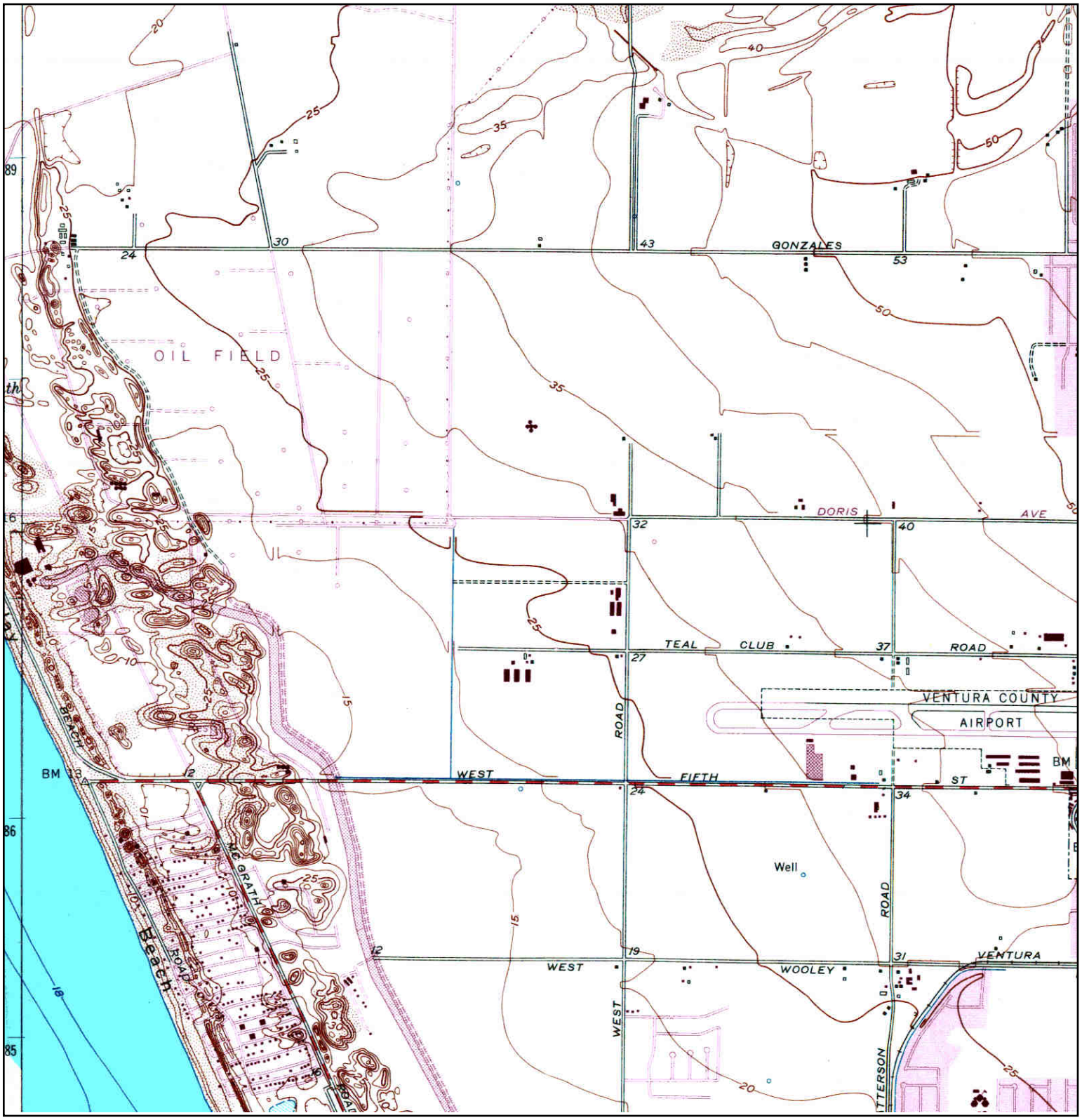
N	TARGET QUAD NAME: HUENEME MAP YEAR: 1947 SERIES: 15 SCALE: 1:50000	SITE NAME: Mandalay Energy Center Project Site ADDRESS: 393 North Harbor Boulevard Oxnard, CA 93035 LAT/LONG: 34.2068 / -119.2506	CLIENT: URS Corporation CONTACT: Tricia Winterbauer INQUIRY#: 4185537.4 RESEARCH DATE: 01/20/2015

Historical Topographic Map



N	TARGET QUAD				
	NAME:	OXNARD	SITE NAME:	Mandalay Energy Center Project Site	CLIENT: URS Corporation
	MAP YEAR:	1951	ADDRESS:	393 North Harbor Boulevard Oxnard, CA 93035	CONTACT: Tricia Winterbauer
	SERIES:	7.5	LAT/LONG:	34.2068 / -119.2506	INQUIRY#: 4185537.4
	SCALE:	1:24000			RESEARCH DATE: 01/20/2015

Historical Topographic Map



N	TARGET QUAD NAME: OXNARD MAP YEAR: 1967 PHOTOREVISED FROM :1949 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Mandalay Energy Center Project Site ADDRESS: 393 North Harbor Boulevard Oxnard, CA 93035 LAT/LONG: 34.2068 / -119.2506	CLIENT: URS Corporation CONTACT: Tricia Winterbauer INQUIRY#: 4185537.4 RESEARCH DATE: 01/20/2015

Historical Topographic Map



N	ADJOINING QUAD NAME: HUENEME MAP YEAR: 1904 SERIES: 15 SCALE: 1:62500	SITE NAME: Mandalay Energy Center Project Site ADDRESS: 393 North Harbor Boulevard Oxnard, CA 93035 LAT/LONG: 34.2068 / -119.2506	CLIENT: URS Corporation CONTACT: Tricia Winterbauer INQUIRY#: 4185537.4 RESEARCH DATE: 01/20/2015

APPENDIX C
EDR AERIAL PHOTO DECADE PACKAGE

Mandalay Energy Center Project Site
393 North Harbor Boulevard
Oxnard, CA 93035

Inquiry Number: 4185537.12
January 22, 2015

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

Aerial Photography January 22, 2015

Target Property:

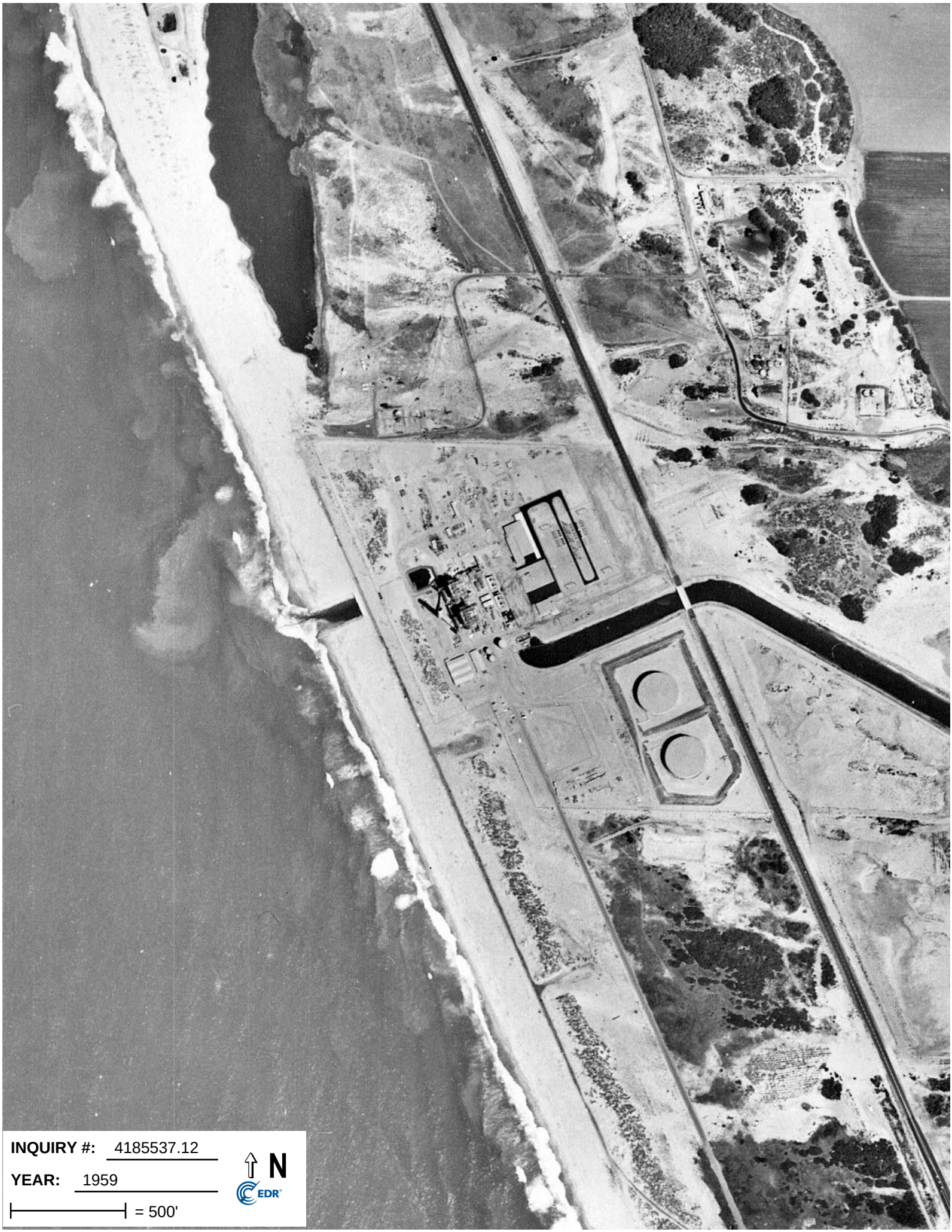
393 North Harbor Boulevard

Oxnard, CA 93035

Year	***Scale***	***Details***	***Source***
1947	Aerial Photograph. Scale: 1"=500'	Flight Year: 1947	USGS
1953	Aerial Photograph. Scale: 1"=500'	Flight Year: 1953	USGS
1959	Aerial Photograph. Scale: 1"=500'	Flight Year: 1959	Robinson
1967	Aerial Photograph. Scale: 1"=500'	Flight Year: 1967	USGS
1977	Aerial Photograph. Scale: 1"=500'	Flight Year: 1977	Teledyne
1984	Aerial Photograph. Scale: 1"=500'	Flight Year: 1984	USGS
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP


INQUIRY #: 4185537.12
YEAR: 1947
= 500'
N
EDR


INQUIRY #: 4185537.12
YEAR: 1953
= 500'
N
EDR



INQUIRY #: 4185537.12

YEAR: 1959

= 500'

N

EDR



INQUIRY #: 4185537.12

YEAR: 1967

= 500'

N

EDR


INQUIRY #: 4185537.12
YEAR: 1977
= 500'
N
EDR


INQUIRY #: 4185537.12
YEAR: 1984
= 500'
N
EDR


INQUIRY #: 4185537.12
YEAR: 1994
= 500'
N
EDR


INQUIRY #: 4185537.12
YEAR: 2005
= 500'
N
EDR


INQUIRY #: 4185537.12
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 4185537.12
YEAR: 2010
= 500'
N
EDR


INQUIRY #: 4185537.12
YEAR: 2012
= 500'
N
EDR

APPENDIX D
EDR CITY DIRECTORY ABSTRACT REPORT

Mandalay Energy Center Project Site
393 North Harbor Boulevard
Oxnard, CA 93036

Inquiry Number: 4185537.5
January 20, 2015

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1926 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	-	-	-
2008	Cole Information Services	-	-	-	-
2003	Cole Information Services	-	-	-	-
2002	Haines & Company, Inc.	-	X	X	-
2000	Pacific Bell Telephone Co	-	-	-	-
1996	Pacific Bell	-	-	-	-
1993	GTE	-	-	-	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Telephone Co	-	X	X	-
1980	Polk	-	X	X	-
1976	R. L. Polk & Co.	-	X	X	-
1975	General Telephone Company of California	-	X	X	-
	Pacific Telephone Co	-	X	X	-
1971	B&G Publications	-	-	-	-
1970	General Telephone Company of California	X	-	X	-
1968	B&G Publications	-	-	-	-
1965	Polk	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1957	R. L. Polk & Co.	-	-	-	-
1953	R. L. Polk & Co. of California	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1940	Southern California	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

393 North Harbor Boulevard
Oxnard, CA 93036

FINDINGS DETAIL

Target Property research detail.

HARBOR BLVD

393 HARBOR BLVD

Year	*Uses*	*Source*
1964	Mandalay Steam Stn	Pacific Telephone Co

N HARBOR BLVD

393 N HARBOR BLVD

Year	*Uses*	*Source*
1970	Bechtel Corp	General Telephone Company of California
	From Ventura telephones call	General Telephone Company of California

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

HARBOR BLVD

1015 HARBOR BLVD

Year	Uses	Source
1976	Oxnard Shores Bottle Shoppe liquors	R. L. Polk & Co.

1021 HARBOR BLVD

Year	Uses	Source
1976	Bank Of America National Trust & Savings Assn	R. L. Polk & Co.

310 HARBOR BLVD

Year	Uses	Source
1976	Drohan M Mrs	R. L. Polk & Co.

HARBOR BLVD S

102 HARBOR BLVD S

Year	Uses	Source
2002	XXXYX	Haines & Company, Inc.

104 HARBOR BLVD S

Year	Uses	Source
2002	A CUTLER lal	Haines & Company, Inc.

105 HARBOR BLVD S

Year	Uses	Source
2002	GUMOERSON Robin	Haines & Company, Inc.

109 HARBOR BLVD S

Year	Uses	Source
2002	RUSH Kelty 005 382 114 S	Haines & Company, Inc.
	PETERS Melanie	Haines & Company, Inc.
	NORMAN Cal 005 9 B	Haines & Company, Inc.
	SCHAFER Craig	Haines & Company, Inc.

FINDINGS

110 HARBOR BLVD S

Year	Uses	Source
2002	FOLEY Mar 0D	Haines & Company, Inc.
	DUGASLed Ona	Haines & Company, Inc.

N HARBOR BLVD

1021 N HARBOR BLVD

Year	Uses	Source
1980	Sweet Carolines Boutique	Polk

S HARBOR BLVD

1001 S HARBOR BLVD

Year	Uses	Source
1980	SEAFARER DIVE SHOP	Polk

1003 S HARBOR BLVD

Year	Uses	Source
1985	Seabreeze Cleaners	Pacific Telephone Co
1980	SEABREEZE CLEANERS	Polk

1005 S HARBOR BLVD

Year	Uses	Source
1980	MAC KINNON DANCE ACADEMY	Polk

1007 S HARBOR BLVD

Year	Uses	Source
1980	Heavenly Donuts & Mor	Polk

1009 S HARBOR BLVD

Year	Uses	Source
1985	ISABELS HAIR DESIGN	Pacific Telephone Co
1980	MARINE ENGINES LTD	Polk

1011 S HARBOR BLVD

Year	Uses	Source
1985	Pizza Company The	Pacific Telephone Co

1013 S HARBOR BLVD

Year	Uses	Source
1985	A TISKET A TASKET	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1980	CALIFORNIA ANGLER THE	Polk

1021 S HARBOR BLVD

Year	Uses	Source
1975	West Oxnard Office	Pacific Telephone Co
	BANK OF AMERICA NT & SA Contd Oxnard Offices Contd ..U S Naval Construction Battalion Center	Pacific Telephone Co
	West Oxnard Office	General Telephone Company of California

851 S HARBOR BLVD

Year	Uses	Source
1985	Deren Marie	Pacific Telephone Co
1980	Deren Marie	Polk
1975	Deren Marie	Pacific Telephone Co

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
393 North Harbor Boulevard	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1985, 1980, 1976, 1975, 1971, 1968, 1965, 1961, 1957, 1953, 1949, 1940, 1930, 1926

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1001 S HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1985, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
1003 S HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
1005 S HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1985, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
1007 S HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1985, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
1009 S HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
1011 S HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1980, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
1013 S HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
1015 HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1985, 1980, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
102 HARBOR BLVD S	2013, 2008, 2003, 2000, 1996, 1993, 1986, 1985, 1980, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
1021 HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1985, 1980, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
1021 N HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1985, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
1021 S HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1985, 1980, 1976, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
104 HARBOR BLVD S	2013, 2008, 2003, 2000, 1996, 1993, 1986, 1985, 1980, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
105 HARBOR BLVD S	2013, 2008, 2003, 2000, 1996, 1993, 1986, 1985, 1980, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
109 HARBOR BLVD S	2013, 2008, 2003, 2000, 1996, 1993, 1986, 1985, 1980, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
110 HARBOR BLVD S	2013, 2008, 2003, 2000, 1996, 1993, 1986, 1985, 1980, 1976, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926

FINDINGS

Address Researched	Address Not Identified in Research Source
310 HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1985, 1980, 1975, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926
851 S HARBOR BLVD	2013, 2008, 2003, 2002, 2000, 1996, 1993, 1986, 1976, 1971, 1970, 1968, 1965, 1964, 1961, 1957, 1953, 1949, 1940, 1930, 1926

APPENDIX E
EDR RADIUS MAP REPORT

Mandalay Energy Center Project Site
393 North Harbor Boulevard
Oxnard, CA 93035

Inquiry Number: 4185537.2s
January 19, 2015

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

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

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Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-9
Physical Setting Source Map Findings	A-11
Physical Setting Source Records Searched	PSGR-1

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

393 NORTH HARBOR BOULEVARD
VENTURA County, CA 93035

COORDINATES

Latitude (North):	34.2068000 - 34° 12' 24.48''
Longitude (West):	119.2506000 - 119° 15' 2.16''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	292642.5
UTM Y (Meters):	3787181.0
Elevation:	10 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	34119-B3 OXNARD OE W, CA
Most Recent Revision:	0
East Map:	34119-B2 OXNARD, CA
Most Recent Revision:	1967

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20120506
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
MANDALAY GENERATING STATION 393 N. HARBOR BLVD. OXNARD, CA 93030	RCRA-TSDF RCRA-SQG AST US FIN ASSUR US AIRS WDS	CAD000630913
MANDALAY GENERATING STATION 393 NORTH HARBOR BOULEVARD OXNARD, CA 93035	RCRA-LQG FINDS	CAR000038174
MANDALAY GENERATING STATION 393 N. HARBOR BLVD OXNARD, CA 93035	RMP	N/A

EXECUTIVE SUMMARY

SOUTHERN CALIFORNIA EDISON 393 HARBOR BLVD OXNARD, CA	UST	N/A
393 HARBOR BLVD 393 HARBOR BLVD OXNARD, CA 93035	EDR US Hist Auto Stat	N/A
MANDALAY GENERATING STA 393 N HAR MANDALAY GENERATING STA 393 N HARBOUR DR OXNARD, CA	ERNS	N/A
SOUTHERN CALIFORNIA EDISON - MAND 393 N HARBOR BLVD S/OF GONZALES RD OXNARD, CA 93036	FINDS	N/A
393 NORTH HARBOR BLVD 393 NORTH HARBOR BLVD OXNARD, CA 93035	ERNS	N/A
MANDALAY GENERATING STATION L L C 393 N HARBOR BLVD SEE MAP OXNARD, CA 93035	HAZNET	N/A
MANDALAY GENERATING STATION 393 N. HARBOR BLVD. OXNARD, CA 93035	RMP	N/A
SOUTHERN CALIF EDISON 393 N HARBOR BLVD OXNARD, CA 93030	CA FID UST SWEEPS UST	N/A
IN FRONT OF THE MANDALAY GENERATI IN FRONT OF THE MANDALAY GENERATING STATION, 393 N. HARBOR B OXNARD, CA 91773	CHMIRS	N/A
MANDALAY POWER GENERATION 393 NORTH HARBOR BLVD OXNARD, CA 93030	Toxic Pits Closure Date: / / CHMIRS EMI	N/A
393 N HARBOR BLVD BWTN VENTURA HA 393 N HARBOR BLVD BWTN VENTURA HARBOR & OXNARD, CA	ERNS	N/A
SOUTHERN CALIFORNIA EDISON INC 393 HARBOR BLVD OXNARD, CA 93035	HAZNET	N/A

MANDALAY GENERATING STATION (ADVA 393 NORTH HARBOR BOULEVARD OXNARD, CA 93035	NPDES HIST UST ENF	N/A
EDISON CANAL MAINT. DREDGING 393 N HARBOR BLVD OXNARD, CA 93055	WDS	N/A
MANDALAY GENERATING STATION 393 HARBOR BLVD OXNARD, CA 93030	HIST UST	N/A
393 HARBOR BLVD 393 HARBOR BLVD OXNARD, CA	CHMIRS	N/A
GENON MANDALAY 393 NO. HARBOR BLVD OXNARD, CA 93035	FINDS	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

EXECUTIVE SUMMARY

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA generators list

RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls
LUCIS ---------- Land Use Control Information System

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

INDIAN UST ---------- Underground Storage Tanks on Indian Land
FEMA UST ---------- Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing
VCP ---------- Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
SWRCY ---------- Recycler Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ---------- Clandestine Drug Labs
HIST Cal-Sites ---------- Historical Calsites Database
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs
US HIST CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---------- CERCLA Lien Information

LIENS Environmental Liens Listing
DEED Deed Restriction Listing

Records of Emergency Release Reports

HMIRS Hazardous Materials Information Reporting System
LDS Land Disposal Sites Listing
MCS Military Cleanup Sites Listing
SPILLS 90 SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR RCRA - Non Generators / No Longer Regulated
DOT OPS Incident and Accident Data
DOD Department of Defense Sites
CONSENT Superfund (CERCLA) Consent Decrees
ROD Records Of Decision
UMTRA Uranium Mill Tailings Sites
US MINES Mines Master Index File
TRIS Toxic Chemical Release Inventory System
TSCA Toxic Substances Control Act
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
SSTS Section 7 Tracking Systems
ICIS Integrated Compliance Information System
PADS PCB Activity Database System
MLTS Material Licensing Tracking System
RADINFO Radiation Information Database
RAATS RCRA Administrative Action Tracking System
UIC UIC Listing
Cortese "Cortese" Hazardous Waste & Substances Sites List
HIST CORTESE Hazardous Waste & Substance Site List
CUPA Listings CUPA Resources List
Notify 65 Proposition 65 Records
DRYCLEANERS Cleaner Facilities
VENTURA CO. BWT Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
WIP Well Investigation Program Case List
INDIAN RESERV Indian Reservations
SCRD DRYCLEANERS State Coalition for Remediation of Drycleaners Listing
COAL ASH EPA Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER PCB Transformer Registration Database
EPA WATCH LIST EPA WATCH LIST
MWMP Medical Waste Management Program Listing
LEAD SMELTERS Lead Smelter Sites
PRP Potentially Responsible Parties
2020 COR ACTION 2020 Corrective Action Program List
COAL ASH DOE Steam-Electric Plant Operation Data
MED WASTE VENTURA Medical Waste Program List
Financial Assurance Financial Assurance Information Listing
PROC Certified Processors Database
HWT Registered Hazardous Waste Transporter Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR US Hist Cleaners ------- EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
J N J SALES & SERV	5TH & HARBOR	SE 1/4 - 1/2 (0.439 mi.)	E33	96

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/10/2014 has revealed that there is 1

RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NUEVO MANDALAY ONSHORE FACILIT	***201 N HARBOR BLVD***	***ESE 0 - 1/8 (0.029 mi.)***	***B23***	***83***

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, and dated 11/03/2014 has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DUNES SUBDIVISION	***OXNARD DUNES SUBDIVISIO***	***SE 1/2 - 1 (0.940 mi.)***	***38***	***117***

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 11/03/2014 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANDALAY MARINE PIPE LINE FACI Status: Active	***373 HARBOR BLVD***	***SE 1/4 - 1/2 (0.349 mi.)***	***30***	***91***
OXNARD SEACOAST BATTERY Status: Inactive - Needs Evaluation		SSE 1/2 - 1 (0.512 mi.)	F36	99
NORTH SHORE AT MANDALAY BAY Status: Active	***(NO NUMBER) HARBOR BLVD***	***SE 1/2 - 1 (0.637 mi.)***	***37***	***100***
DUNES SUBDIVISION Status: * De-listed	***OXNARD DUNES SUBDIVISIO***	***SE 1/2 - 1 (0.940 mi.)***	***38***	***117***

EXECUTIVE SUMMARY

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

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, and dated 11/17/2014 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JNJ 1982	CORNER OF 5TH ST. AND H	SE 1/4 - 1/2 (0.439 mi.)	E34	98

State and tribal leaking storage tank lists

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 12/12/2014 has revealed that there are 5 SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL - MANDALAY FACILITY	201 HARBOR	ESE 0 - 1/8 (0.029 mi.)	B22	82
OXNARD DUNES SUBDIVISION Facility Status: Open - Inactive	HARBOR BLVD	ENE 0 - 1/8 (0.051 mi.)	26	87
SCE - MANDALAY GENERATING STAT Facility Status: Completed - Case Closed	303 HARBOR	NNE 0 - 1/8 (0.066 mi.)	C27	88
NORTH SHORE MANDALAY BAY Facility Status: Open - Remediation	500 W. HARBOR BLVD	NNE 0 - 1/8 (0.079 mi.)	D28	88
MANDALAY MARINE PIPE LINE FACI Facility Status: Completed - Case Closed	***373 HARBOR BLVD***	***SE 1/4 - 1/2 (0.349 mi.)***	***30***	***91***

State and tribal registered storage tank lists

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, and dated 08/01/2009 has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PARADIGM ENVIRONMENTAL - JOB #	198 N HARBOR BLVD.	ESE 0 - 1/8 (0.026 mi.)	B21	82
MANDALAY ONSHORE FACILITY	201 N HARBOR BLVD	NNE 0 - 1/8 (0.043 mi.)	C25	87

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 2 WMUDS/SWAT sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
J.N.J. DISPOSAL-S.T. CARNEY LA	NE CORNER OR HARBOR BLV	SE 1/4 - 1/2 (0.439 mi.)	E31	94
J.N.J. DISPOSAL LANDFILL	NE CORNER OF HARBOR BLV	SE 1/4 - 1/2 (0.439 mi.)	E32	95

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANDALAY SUPPORT FACILITY	***201 N. HARBOR***	***NE 0 - 1/8 (0.040 mi.)***	***C24***	***85***

Other Ascertainable Records

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 06/06/2014 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OXNARD SEACOAST BATTERY		SSE 1/2 - 1 (0.509 mi.)	F35	98

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DUNES SUBDIVISION	***OXNARD DUNES SUBDIVISIO***	***SE 1/2 - 1 (0.940 mi.)***	***38***	***117***

EXECUTIVE SUMMARY

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 11/24/2014 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

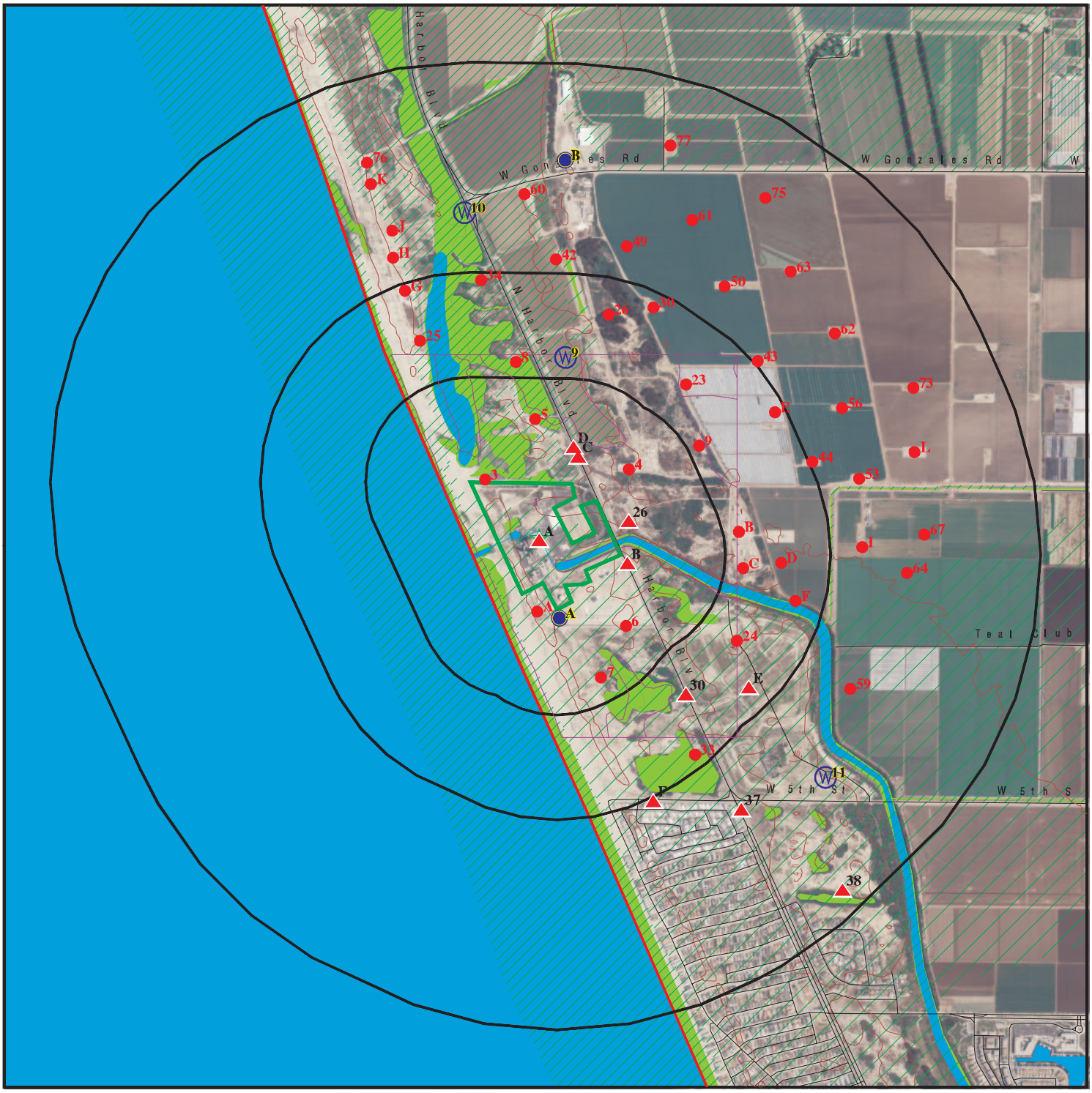
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EPTC-MANDALAY	***373 N HARBOR BLVD***	***NNE 0 - 1/8 (0.088 mi.)***	***D29***	***89***

EXECUTIVE SUMMARY

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

Site Name	Database(s)
OXNARD DUNES SUBDIVISION	SLIC

OVERVIEW MAP - 4185537.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

County Boundary

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

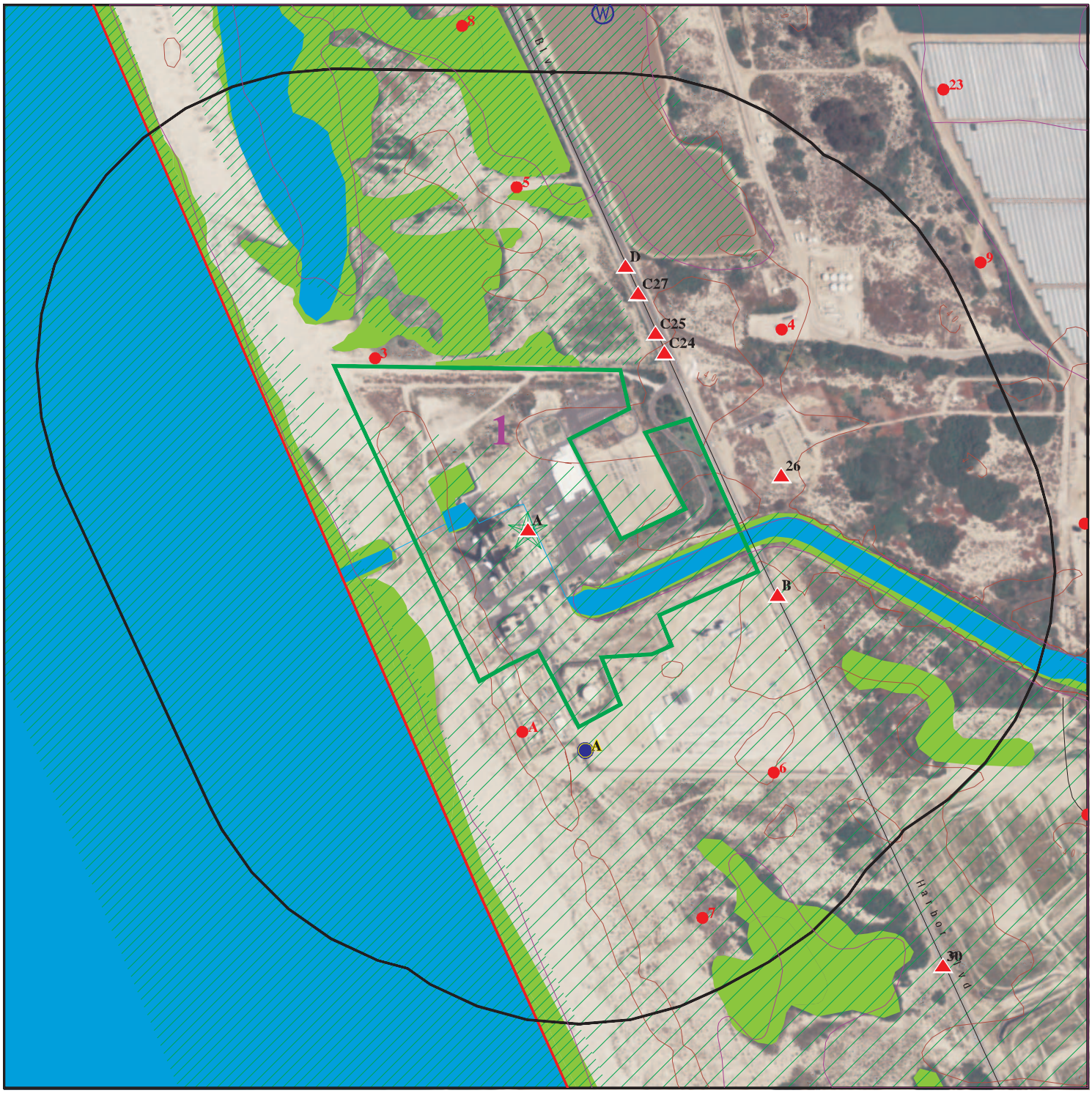
Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Mandalay Energy Center Project Site	CLIENT:	URS Corporation
ADDRESS:	393 North Harbor Boulevard Oxnard CA 93035	CONTACT:	Tricia Winterbauer
LAT/LONG:	34.2068 / 119.2506	INQUIRY #:	4185537.2s
		DATE:	January 19, 2015 7:29 pm

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DETAIL MAP - 4185537.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Mandalay Energy Center Project Site	CLIENT: URS Corporation
ADDRESS: 393 North Harbor Boulevard Oxnard CA 93035	CONTACT: Tricia Winterbauer INQUIRY #: 4185537.2s
LAT/LONG: 34.2068 / 119.2506	DATE: January 19, 2015 7:30 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	1	NR	NR	1
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500	1	0	0	0	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250	1	0	0	NR	NR	NR	1
RCRA-SQG	0.250	1	1	0	NR	NR	NR	2
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP	3	NR	NR	NR	NR	NR	3
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	1	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	1	3	NR	4
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	1	NR	NR	1
State and tribal leaking storage tank lists								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		4	0	1	NR	NR	5
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250	1	0	0	NR	NR	NR	1
AST	0.250	1	2	0	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	2	NR	NR	2
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000	1	0	0	0	0	NR	1
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250	1	0	0	NR	NR	NR	1
HIST UST	0.250	2	1	0	NR	NR	NR	3
SWEEPS UST	0.250	1	0	0	NR	NR	NR	1
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP	3	NR	NR	NR	NR	NR	3
LDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	1	NR	1
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	3	NR	NR	NR	NR	NR	3
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP	2	NR	NR	NR	NR	NR	2
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP	1	NR	NR	NR	NR	NR	1
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
VENTURA CO. BWT	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP	1	NR	NR	NR	NR	NR	1
HAZNET	TP	2	NR	NR	NR	NR	NR	2
EMI	TP	1	NR	NR	NR	NR	NR	1
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP	1	NR	NR	NR	NR	NR	1
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
US AIRS	TP	1	NR	NR	NR	NR	NR	1
WDS	TP	2	NR	NR	NR	NR	NR	2
MED WASTE VENTURA	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
HWP	1.000		1	0	0	0	NR	1
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250	1	0	0	NR	NR	NR	1
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target
Property

MANDALAY GENERATING STATION
393 N. HARBOR BLVD.
OXNARD, CA 93030

Site 1 of 20 in cluster A

Database(s): RCRA-TSDF, RCRA-SQG, AST, US FIN ASSUR, US AIRS, WDS

EDR ID Number: 1000167654
EPA ID Number: CAD000630913

Actual:
10 ft.

RCRA-TSDF:

Date form received by agency:	03/04/1999
Facility name:	MANDALAY GENERATING STATION
Facility address:	393 N. HARBOR BLVD. OXNARD, CA 93030
EPA ID:	CAD000630913
Mailing address:	2244 WALNUT GROVE AVE ROOM 405 ROSEMEAD, CA 91770
Contact:	KATHRYN VANDERSLICE
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(626) 302-9320
Contact email:	Not reported
EPA Region:	09
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	10/20/1998
Site name:	MANDALAY GENERATING STATION
Classification:	Small Quantity Generator

Date form received by agency:	09/01/1996
Site name:	MANDALAY GENERATING STATION
Classification:	Small Quantity Generator

Date form received by agency:	02/27/1996
Site name:	SOUTHERN CALIFORNIA EDISON
Classification:	Large Quantity Generator

Date form received by agency:	02/28/1992

MANDALAY GENERATING STATION (Continued) **1000167654**

Site name: SCE - MANDALAY G.S.
Classification: Large Quantity Generator

Date form received by agency: 03/28/1990
Site name: SO CALIF EDISON MANDALAY GEN SITE
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005

MANDALAY GENERATING STATION (Continued) **1000167654**

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/12/2008
Date achieved compliance: 04/13/2010
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 08/19/1998
Date achieved compliance: 08/21/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/19/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 08/19/1998
Date achieved compliance: 08/21/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/19/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/23/1993
Date achieved compliance: 02/03/1995
Violation lead agency: State
Enforcement action: Not reported

MANDALAY GENERATING STATION (Continued) **1000167654**

Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.270-282.M
Area of violation: TSD - General
Date violation determined: 09/23/1993
Date achieved compliance: 02/03/1995
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 09/23/1993
Date achieved compliance: 02/03/1995
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/23/1993
Date achieved compliance: 02/03/1995
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.220-230.K
Area of violation: TSD - General
Date violation determined: 04/13/1993
Date achieved compliance: 02/03/1995
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported

MANDALAY GENERATING STATION (Continued) **1000167654**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.400-406.Q
Area of violation: TSD IS-Chemical, Physical, AND Treatment
Date violation determined: 04/13/1993
Date achieved compliance: 02/03/1995
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/12/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/13/2010
Evaluation lead agency: State

Evaluation date: 04/17/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/15/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/19/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/21/1998
Evaluation lead agency: State

Evaluation date: 02/03/1995
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/23/1993
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

MANDALAY GENERATING STATION (Continued) **1000167654**

Evaluation date: 04/30/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 04/13/1993
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD - General
Date achieved compliance: 02/03/1995
Evaluation lead agency: State

Evaluation date: 04/13/1993
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 02/03/1995
Evaluation lead agency: State

Evaluation date: 04/13/1993
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: 02/03/1995
Evaluation lead agency: State

Evaluation date: 04/13/1993
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD IS-Chemical, Physical, AND Treatment
Date achieved compliance: 02/03/1995
Evaluation lead agency: State

AST:
Certified Unified Program Agencies: Oxnard
Owner: RELIANT ENERGY ORMOND BEACH
Total Gallons: 268,100

US FIN ASSUR:
EPA ID: CAD000630913
Provider: SOUTHERN CALIFORNIA EDISON CO.
EPA region: 9
County: VENTURA
Mechanism type: CORPORATE GUARANTEE
Mechanism ID: 1
Cost estimate: 2631000
Face value: 2631000
Effective date: 2010-03-30 00:00:00

EPA ID: CAD000630913
Provider: SOUTHERN CALIFORNIA EDISON CO.
EPA region: 9
County: VENTURA
Mechanism type: CORPORATE GUARANTEE
Mechanism ID: 2
Cost estimate: 2000000
Face value: 2000000
Effective date: 2010-11-07 00:00:00

EPA ID: CAD000630913

MANDALAY GENERATING STATION (Continued) **1000167654**

Provider:	SOUTHERN CALIFORNIA EDISON CO.
EPA region:	9
County:	VENTURA
Mechanism type:	CORPORATE GUARANTEE
Mechanism ID:	FT002
Cost estimate:	1788000
Face value:	1788000
Effective date:	2011-03-31 00:00:00

AIRS (AFS):

Compliance and Violation Data Major Sources:

EPA plant ID:	110000517717
Plant name:	MANDALAY GENERATING STATION
Plant address:	393 N HARBOR BLVD OXNARD, CA 93035
County:	VENTURA
Region code:	09
Dunn & Bradst #:	Not reported
Air quality cntrl region:	024
Sic code:	4911
Sic code desc:	ELECTRIC SERVICES
North Am. industrial classf:	221112
NAIC code description:	Fossil Fuel Electric Power Generation
Default compliance status:	IN COMPLIANCE - INSPECTION
Default classification:	ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

CA WDS:

Facility ID:	Santa Clara River 562019001
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CA0001180 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	8059845217
Facility Contact:	Ed Malinowski
Agency Name:	RELIANT ENERGY MANDALAY LLC
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	4911
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	PROCES

MANDALAY GENERATING STATION (Continued) **1000167654**

Waste Type2:	Not reported
Waste2:	Process Waste (Waste produced as part of the industrial/manufacturing process)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	255
Baseline Flow:	255
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity:	Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Facility ID:	Santa Clara River 562019004
Facility Type:	Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	4
Facility Telephone:	8059845217
Facility Contact:	Ed Malinowski
Agency Name:	RELIANT ENERGY MANDALAY LLC
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	4952
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	DOMEST
Waste Type2:	Not reported
Waste2:	Domestic Sewage
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD,

MANDALAY GENERATING STATION (Continued) **1000167654**

	Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Facility ID:	4 56I016869
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	8059845217
Facility Contact:	Ed Malinowski
Agency Name:	RELIANT ENERGY MANDALAY LLC
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	4911
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	STORMS
Waste Type2:	Not reported
Waste2:	Stormwater Runoff
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order

MANDALAY GENERATING STATION (Continued) **1000167654**

should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

A2 Target Property **MANDALAY GENERATING STATION** **RCRA-LQG 1001217615**
393 NORTH HARBOR BOULEVARD **FINDS CAR000038174**
OXNARD, CA 93035

Site 2 of 20 in cluster A

Actual: 10 ft.

RCRA-LQG:

Date form received by agency:	07/23/2013
Facility name:	MANDALAY GENERATING STATION
Facility address:	393 NORTH HARBOR BOULEVARD OXNARD, CA 93035
EPA ID:	CAR000038174
Contact:	SCOTT G WARNOCK
Contact address:	6635 S EDISON DR OXNARD, CA 93033
Contact country:	US
Contact telephone:	805-986-7218
Contact email:	SCOTT.WARNOCK@NRGENERGY.COM
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	MANDALAY GENERATING STATION
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	04/06/1998
Owner/Op end date:	Not reported

MANDALAY GENERATING STATION (Continued) **1001217615**

Owner/operator name: RELIANT ENERGY
Owner/operator address: 393 N. HARBOR BLVD
OXNARD, CA 93035
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/01/1998
Owner/Op end date: Not reported

Owner/operator name: NRG CALIFORNIA S LP
Owner/operator address: 393 NORTH HARBOR BOULEVARD
OXNARD, CA 93035
Owner/operator country: US
Owner/operator telephone: 805-984-5201
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/28/2013
Owner/Op end date: Not reported

Owner/operator name: RELIANT ENERGY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1998
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/29/2012
Site name: GENERATION STATION
Classification: Large Quantity Generator

Date form received by agency: 03/28/2011
Site name: MANDALAY GENERATING STATION
Classification: Large Quantity Generator

MANDALAY GENERATING STATION (Continued) **1001217615**

Date form received by agency: 01/20/2010
Site name: RRI ENERGY MANDALAY GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 02/15/2008
Site name: RELIANT ENERGY MANDALAY GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 02/23/2006
Site name: RELIANT ENERGY MANDALAY GEN STATION
Classification: Small Quantity Generator

Date form received by agency: 02/23/2006
Site name: RELIANT ENERGY MANDALAY GEN STATION
Classification: Large Quantity Generator

Date form received by agency: 02/20/2004
Site name: RELIANT ENERGY MANDALAY GENERATING STATI
Classification: Large Quantity Generator

Date form received by agency: 02/27/2002
Site name: RELIANT ENERGY MANDALAY GENERATING STATI
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: RELIANT ENERGY MANDALAY L.L.C.
Classification: Large Quantity Generator

Date form received by agency: 04/02/1998
Site name: OCEAN VISTA POWER GENERATION
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

MANDALAY GENERATING STATION (Continued) **1001217615**

Waste code: D005
Waste name: BARIUM

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: U002
Waste name: ACETONE (I)

Waste code: U133
Waste name: HYDRAZINE (R,T)

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D011
Waste name: SILVER

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

MANDALAY GENERATING STATION (Continued) **1001217615**

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: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: U133
Waste name: HYDRAZINE (R,T)

Waste code: U134
Waste name: HYDROFLUORIC ACID (C,T)

Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

MANDALAY GENERATING STATION (Continued) **1001217615**

Waste code: D018
Waste name: BENZENE

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: 151
Waste name: 151

Waste code: 181
Waste name: 181

Waste code: 221
Waste name: 221

Waste code: 261
Waste name: 261

MANDALAY GENERATING STATION (Continued) **1001217615**

Waste code: 343
Waste name: 343

Waste code: 352
Waste name: 352

Waste code: 791
Waste name: 791

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D005
Waste name: BARIUM

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: U002
Waste name: ACETONE (I)

Waste code: U133
Waste name: HYDRAZINE (R,T)

Waste code: 122
Waste name: 122

MANDALAY GENERATING STATION (Continued) **1001217615**

Waste code: 181
Waste name: 181

Waste code: 212
Waste name: 212

Waste code: 352
Waste name: 352

Waste code: 512
Waste name: 512

Waste code: 571
Waste name: 571

Waste code: 791
Waste name: 791

Waste code: 792
Waste name: 792

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D011
Waste name: SILVER

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

MANDALAY GENERATING STATION (Continued) **1001217615**

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: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: U133
Waste name: HYDRAZINE (R,T)

Waste code: U134
Waste name: HYDROFLUORIC ACID (C,T)

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: U133
Waste name: HYDRAZINE (R,T)

Waste code: 181
Waste name: 181

MANDALAY GENERATING STATION (Continued) **1001217615**

Waste code: 213
Waste name: 213

Waste code: 221
Waste name: 221

Waste code: 331
Waste name: 331

Waste code: 352
Waste name: 352

Waste code: 512
Waste name: 512

Waste code: 791
Waste name: 791

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

MANDALAY GENERATING STATION (Continued) **1001217615**

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: U133
Waste name: HYDRAZINE (R,T)

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: U133
Waste name: HYDRAZINE (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

MANDALAY GENERATING STATION (Continued) **1001217615**

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 80

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 80

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 7225

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 7225

Waste code: D008
Waste name: LEAD
Amount (Lbs): 5640

Waste code: D011
Waste name: SILVER
Amount (Lbs): 80

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 525

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 525

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS

MANDALAY GENERATING STATION (Continued) **1001217615**

CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 605

Waste code: U133
Waste name: HYDRAZINE (R,T)
Amount (Lbs): 1240

Waste code: U134
Waste name: HYDROFLUORIC ACID (C,T)
Amount (Lbs): 80

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 02/15/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110000517717

Environmental Interest/Information System

CAMDBS (Clean Air Markets Division Business System) is a national information system that supports the implementation of market-based air pollution control programs administered by the Clean Air Markets Division, within the Office of Air and Radiation. These programs include the Acid Rain Program, established by Title IV of the Clean Air Act Amendments of 1990, and regional programs designed reduce the transport of ozone. These emissions trading programs allows regulated facilities (primarily electric utilities) to adopt the most cost-effective strategies to reduce emissions at their units. Units that reduce their emissions below the number of allowances they hold -- each allowance is equivalent to one ton of sulfur dioxide or nitrogen oxides -- may trade allowances with other units in their system, sell them to other utilities on the open market or through EPA auctions, or bank them to cover emissions in future years. CAMDBS functions include registering responsible officials, establishing allowance accounts, reporting hourly emissions data, and transferring allowances between accounts.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V

MANDALAY GENERATING STATION (Continued) **1001217615**

of the Clean Air Act.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US Emissions & Generation Resource Database (EGRID) contains data on emissions and resource mix for virtually every power plant and company that generates electricity in the United States.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

STATE MASTER

ELECTRIC GENERATOR

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

SPCC

GREENHOUSE GAS REPORTER

A3 **MANDALAY GENERATING STATION** **RMP** **1011830662**
Target **393 N. HARBOR BLVD** **N/A**
Property **OXNARD, CA 93035**

Site 3 of 20 in cluster A

Actual:
10 ft.

Risk Management Plan (RMP) Facility Details:

Facility ID:	6731
LEPC city:	Not reported
Facility decimal latitude:	34.206389
Facility decimal longitude:	-119.250667
Is facility in county box:	T
LatLong method:	A4
LatLong description:	AB
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	878270941

MANDALAY GENERATING STATION (Continued) **1011830662**

Parent's name:	Reliant Energy Mandalay, LLC
Partner's name:	Not reported
Parent's DUNS #:	0
Partner's DUNS #:	0
Operator's name:	Reliant Energy Mandalay, LLC
Operator's telephone:	8059845291
Operator's address:	393 N. Harbor Blvd
Operators City,St,Zip:	Oxnard, CA 93035
RMP implementation contact:	Tom Snowdon
RMP contact title:	Manager
Emergency contact:	Nemer Murr
Emergency contact title:	Production Manager
Emergency contact telephone:	8059845241
24 hour emergency telephone:	8059845201
Emergency contact ext/pin #:	Not reported
Number of full time employees:	40
EPA ID:	CAR000038174
Facility ID provided by CEPPO:	100000089619
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	T
Clean air op. permit/State ID:	0013
Last safety insp. dat:	1999-02-23 00:00:00
Inspected by:	City of Oxnard Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	First Time
RMP description:	Not reported
Facility has no accident hist. recs:	True
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	1999-07-06 00:00:00
Date of error Report:	Not reported
Date RMP received:	1999-06-21 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*Submit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	1999-06-18 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2004-06-18 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	1.1.7
FRS latitude:	34.206389999999999
FRS longitude:	-119.25
FRS Description:	FACILITY CENTROID
FRS Method:	INTERPOLATION-MAP

Process Details:

Process ID:	8102

MANDALAY GENERATING STATION (Continued) **1011830662**

NA & Industry Classification Sys.code(s): 221112
NAICS code description: Fossil Fuel Electric Power Generation
Optional facility description: Not reported
Program level: 2
Record contains CBI data: False

Process chemical(s):
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0
Process flammable chemical name: Not reported

Process Toxic Alt. Releases:
Percent weight of chemical: 30
Physical state: b
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Emergency shutdown
Percent weight of chemical: 30
Physical state: b
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Emergency shutdown
Percent weight of chemical: 30
Physical state: b
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported

MANDALAY GENERATING STATION (Continued) **1011830662**

Passive mitigation: Not reported
Active mitigation: Emergency shutdown
Percent weight of chemical: 30
Physical state: b
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Emergency shutdown

Process Toxics Worst Case:
Percent weight of chemical: 30
Physical state: b
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Dikes

Process Flammables Alt. Releases:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Flammables Worst Case:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Safety review date: Not reported
Most recent PHA date: Not reported

MANDALAY GENERATING STATION (Continued) **1011830662**

Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported
Chemical name:	Ammonia (conc 20% or greater)
Process chemical qty in 100s lbs:	33000
Process flammable chemical name:	Not reported

Process Toxic Alt. Releases:

Percent weight of chemical:	Not reported
Physical state:	Not reported
Analytical basic:	Not reported
Scenario:	Not reported

MANDALAY GENERATING STATION (Continued) **1011830662**

Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Toxics Worst Case:
Percent weight of chemical: Not reported
Physical state: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Process Flammables Alt. Releases:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Flammables Worst Case:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Safety review date: Not reported
Most recent PHA date: Not reported
Process Hazard Analysis: Not reported
Expected PHA changes completion date: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported

MANDALAY GENERATING STATION (Continued) **1011830662**

Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported

Emergency Response Details:

ER plan:	Not reported
ER plan most recent review date:	1999-05-27 00:00:00
ER plan most recent employee training date:	1998-12-01 00:00:00
Local agency coordinating ER plan:	City of Oxnard Fire Deparment
Telephone of the coordinating local agency:	8053857657
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	True
RCRA:	True
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

A4 **SOUTHERN CALIFORNIA EDISON** **UST** **U003913132**
Target Property **393 HARBOR BLVD** **N/A**
OXNARD, CA

Site 4 of 20 in cluster A

Actual: 10 ft.

VENTURA CO. UST:
Facility ID: D 1204
Facility Status: Inactive

A5 **EDR US Hist Auto Stat** **1015464673**
Target Property **393 HARBOR BLVD** **N/A**
OXNARD, CA 93035

Site 5 of 20 in cluster A

Actual: 10 ft.

EDR Historical Auto Stations:
Name: MANDALAY GENERATION STATION INC
Year: 2005
Address: 393 HARBOR BLVD

A6 **ERNS** **90189516**
Target Property **MANDALAY GENERATING STA 393 N HARBOUR DR** **N/A**
OXNARD, CA

Site 6 of 20 in cluster A

Actual: 10 ft.

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

A7 **SOUTHERN CALIFORNIA EDISON - MANDALAY 220 KV SWITCH YARD** **FINDS** **1016427074**
Target Property **393 N HARBOR BLVD S/OF GONZALES RD** **N/A**
OXNARD, CA 93036

Site 7 of 20 in cluster A

Actual: 10 ft.

FINDS:

Registry ID: 110055768058

Environmental Interest/Information System
STATE MASTER

A8 **ERNS** **2000537901**
Target Property **393 NORTH HARBOR BLVD** **N/A**
OXNARD, CA 93035

Site 8 of 20 in cluster A

Actual: 10 ft.

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

A9
Target Property

MANDALAY GENERATING STATION L L C
393 N HARBOR BLVD SEE MAP
OXNARD, CA 93035

HAZNET **S113174154**
N/A

Site 9 of 20 in cluster A

Actual: 10 ft.

HAZNET:

envid:	S113174154
Year:	2013
GEPAID:	CAR000038174
Contact:	SCOTT WARNOCK
Telephone:	8059845291
Mailing Name:	Not reported
Mailing Address:	393 HARBOR BLVD
Mailing City,St,Zip:	OXNARD, CA 930351108
Gen County:	Ventura
TSD EPA ID:	TXD000838896
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.44962
Facility County:	Not reported

envid:	S113174154
Year:	2013
GEPAID:	CAR000038174
Contact:	SCOTT WARNOCK
Telephone:	8059845291
Mailing Name:	Not reported
Mailing Address:	393 HARBOR BLVD
Mailing City,St,Zip:	OXNARD, CA 930351108
Gen County:	Ventura
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	25.02
Facility County:	Not reported

envid:	S113174154
Year:	2013
GEPAID:	CAR000038174
Contact:	SCOTT WARNOCK
Telephone:	8059845291
Mailing Name:	Not reported
Mailing Address:	393 HARBOR BLVD
Mailing City,St,Zip:	OXNARD, CA 930351108
Gen County:	Ventura
TSD EPA ID:	WID003967148
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.275
Facility County:	Not reported

envid:	S113174154
Year:	2013

MANDALAY GENERATING STATION L L C (Continued) **S113174154**

GEPAID:	CAR000038174
Contact:	SCOTT WARNOCK
Telephone:	8059845291
Mailing Name:	Not reported
Mailing Address:	393 HARBOR BLVD
Mailing City,St,Zip:	OXNARD, CA 930351108
Gen County:	Ventura
TSD EPA ID:	WID003967148
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	3.375
Facility County:	Not reported

envid:	S113174154
Year:	2013
GEPAID:	CAR000038174
Contact:	SCOTT WARNOCK
Telephone:	8059845291
Mailing Name:	Not reported
Mailing Address:	393 HARBOR BLVD
Mailing City,St,Zip:	OXNARD, CA 930351108
Gen County:	Ventura
TSD EPA ID:	WID003967148
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
769 additional CA_HAZNET: record(s) in the EDR Site Report.

A10 **MANDALAY GENERATING STATION** **RMP** **1011830663**
Target **393 N. HARBOR BLVD.** **N/A**
Property **OXNARD, CA 93035**

Site 10 of 20 in cluster A

Actual:
10 ft.

Risk Management Plan (RMP) Facility Details:

Facility ID:	54639
LEPC city:	California Region 1 LEPC
Facility decimal latitude:	34.207222
Facility decimal longitude:	-119.251111
Is facility in county box:	T
LatLong method:	I3
LatLong description:	ST
Home page web address:	www.nrgenergy.com
Facility telephone:	8059845253
Facility email:	Not reported
Facility DUNS #:	40095718
Parent's name:	NRG California South LP
Partner's name:	Not reported
Parent's DUNS #:	0
Partner's DUNS #:	0
Operator's name:	NRG California South LP

MANDALAY GENERATING STATION (Continued) **1011830663**

Operator's telephone:	8059845291
Operator's address:	393 N. Harbor Blvd.
Operators City,St,Zip:	Oxnard, CA 93035
RMP implementation contact:	Scott Warnock
RMP contact title:	Environmental/Safety Representative
Emergency contact:	Thomas DiCiolli
Emergency contact title:	General Manager
Emergency contact telephone:	8059845241
24 hour emergency telephone:	8052073516
Emergency contact ext/pin #:	Not reported
Number of full time employees:	35
EPA ID:	CAD000038174
Facility ID provided by CEPPO:	100000089619
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	T
Clean air op. permit/State ID:	00013
Last safety insp. dat:	2009-02-12 00:00:00
Inspected by:	Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	True
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2013-11-18 00:00:00
Date of error Report:	Not reported
Date RMP received:	2009-06-15 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2009-06-11 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2014-06-11 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	3.10.1
FRS latitude:	34.206389999999999
FRS longitude:	-119.25
FRS Description:	FACILITY CENTROID
FRS Method:	INTERPOLATION-MAP

Process Details:

Process ID:	79746
NA & Industry Classification Sys.code(s):	221112
NAICS code description:	Fossil Fuel Electric Power Generation
Optional facility description:	Selective Catalytic Red
Program level:	2
Record contains CBI data:	False

MANDALAY GENERATING STATION (Continued) **1011830663**

Process chemical(s):
- Chemical name: Ammonia (conc 20% or greater)
- Process chemical qty in 100s lbs: 32000
- Process flammable chemical name: Not reported

Process Toxic Alt. Releases:
- Percent weight of chemical: Not reported
- Physical state: Not reported
- Analytical basic: Not reported
- Scenario: Not reported
- Quantity released in pounds: Not reported
- Release duration in minutes: Not reported
- Release rate in pounds per second: Not reported
- Wind speed in meters/second: Not reported
- Stability class: Not reported
- Topography: Not reported
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported
- Environmental receptors: Not reported
- Passive mitigation: Not reported
- Active mitigation: Not reported

Process Toxics Worst Case:
- Percent weight of chemical: Not reported
- Physical state: Not reported
- Analytical basic: Not reported
- Scenario: Not reported
- Quantity released in pounds: Not reported
- Release duration in minutes: Not reported
- Release rate in pounds per second: Not reported
- Wind speed in meters/second: Not reported
- Stability class: Not reported
- Topography: Not reported
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported
- Environmental receptors: Not reported
- Passive mitigation: Not reported

Process Flammables Alt. Releases:
- Endpoint used: Not reported
- LFL value: Not reported
- Analytical basic: Not reported
- Scenario: Not reported
- Quantity released in pounds: Not reported
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported
- Environmental receptors: Not reported
- Passive mitigation: Not reported
- Active mitigation: Not reported

Process Flammables Worst Case:
- Analytical basic: Not reported
- Quantity released in pounds: Not reported
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported

MANDALAY GENERATING STATION (Continued) **1011830663**

Environmental receptors:	Not reported
Passive mitigation:	Not reported
Safety review date:	Not reported
Most recent PHA date:	Not reported
Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0
Process flammable chemical name:	Not reported

MANDALAY GENERATING STATION (Continued) **1011830663**

Process Toxic Alt. Releases:
- Percent weight of chemical: 29
- Physical state: b
- Analytical basic: EPA's RMP*Comp(TM)
- Scenario: Not reported
- Quantity released in pounds: Not reported
- Release duration in minutes: Not reported
- Release rate in pounds per second: Not reported
- Wind speed in meters/second: 3
- Stability class: D
- Topography: b
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported
- Environmental receptors: Not reported
- Passive mitigation: Berms, Drains
- Active mitigation: Not reported

Process Toxics Worst Case:
- Percent weight of chemical: 29
- Physical state: b
- Analytical basic: EPA's RMP*Comp(TM)
- Scenario: Not reported
- Quantity released in pounds: Not reported
- Release duration in minutes: 10
- Release rate in pounds per second: Not reported
- Wind speed in meters/second: 1.5
- Stability class: F
- Topography: b
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported
- Environmental receptors: Not reported
- Passive mitigation: Dikes

Process Flammables Alt. Releases:
- Endpoint used: Not reported
- LFL value: Not reported
- Analytical basic: Not reported
- Scenario: Not reported
- Quantity released in pounds: Not reported
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported
- Environmental receptors: Not reported
- Passive mitigation: Not reported
- Active mitigation: Not reported

Process Flammables Worst Case:
- Analytical basic: Not reported
- Quantity released in pounds: Not reported
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported
- Environmental receptors: Not reported
- Passive mitigation: Not reported
- Safety review date: Not reported
- Most recent PHA date: Not reported

MANDALAY GENERATING STATION (Continued) **1011830663**

Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported

Emergency Response Details:

ER plan:	Not reported
ER plan most recent review date:	2009-06-12 00:00:00
ER plan most recent employee training date:	2008-06-09 00:00:00
Local agency coordinating ER plan:	Oxnard Fire Department
Telephone of the coordinating local agency:	8053857722
Federal regulation:	True
OSHA 1910 120:	True

MANDALAY GENERATING STATION (Continued) **1011830663**

SPCC:	True
RCRA:	True
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

Risk Management Plan (RMP) Facility Details:

Facility ID:	1000043692
LEPC city:	California Region 1 LEPC
Facility decimal latitude:	34.207222
Facility decimal longitude:	-119.251111
Is facility in county box:	T
LatLong method:	I3
LatLong description:	ST
Home page web address:	www.nrgenergy.com
Facility telephone:	8059845253
Facility email:	Not reported
Facility DUNS #:	40095718
Parent's name:	NRG California South LP
Partner's name:	Not reported
Parent's DUNS #:	0
Partner's DUNS #:	0
Operator's name:	NRG California South LP
Operator's telephone:	8059845291
Operator's address:	393 N. Harbor Blvd.
Operators City,St,Zip:	Oxnard, CA 93035
RMP implementation contact:	Scott Warnock
RMP contact title:	Environmental Specialist
Emergency contact:	Thomas DiCiolli
Emergency contact title:	Plant Manager
Emergency contact telephone:	8059845241
24 hour emergency telephone:	8052073516
Emergency contact ext/pin #:	Not reported
Number of full time employees:	32
EPA ID:	CAD000038174
Facility ID provided by CEPPO:	100000089619
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	T
Clean air op. permit/State ID:	00013
Last safety insp. dat:	2011-02-17 00:00:00
Inspected by:	Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	True
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2014-06-10 00:00:00
Date of error Report:	Not reported
Date RMP received:	2014-06-10 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True

MANDALAY GENERATING STATION (Continued) **1011830663**

RMP submission method: RMP*eSubmit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2014-06-10 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2019-06-10 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 3.10.1
FRS latitude: 34.206389999999999
FRS longitude: -119.25
FRS Description: FACILITY CENTROID
FRS Method: INTERPOLATION-MAP

Process Details:
Process ID: 1000053966
NA & Industry Classification Sys.code(s): 221112
NAICS code description: Fossil Fuel Electric Power Generation
Optional facility description: Selective Catalytic Red
Program level: 2
Record contains CBI data: False

Process chemical(s):
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0
Process flammable chemical name: Not reported

Process Toxic Alt. Releases:
Percent weight of chemical: 29
Physical state: b
Analytical basic: EPA’s RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Berms, Drains
Active mitigation: Not reported

Process Toxics Worst Case:
Percent weight of chemical: 29
Physical state: b
Analytical basic: EPA’s RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b

MANDALAY GENERATING STATION (Continued) **1011830663**

Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Dikes

Process Flammables Alt. Releases:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Flammables Worst Case:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Safety review date: Not reported
Most recent PHA date: Not reported
Process Hazard Analysis: Not reported
Expected PHA changes completion date: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported
Changes since the last process hazard analysis: Not reported
Most recent review of op. procedures: Not reported
Most recent training progs review/update: Not reported
Training: Not reported
Competency testing: Not reported
Most recent maintenance review date: Not reported
Most recent equipment inspection date: Not reported
Equipment tested: Not reported
Most recent changes by mgmt: Not reported
Date of most recent review/update: Not reported
Date of pre-start review: Not reported
Most recent compliance audit date: Not reported
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: Not reported
Date of hot work permit review: Not reported
Date of contractor safety review: Not reported
Date of contractor safety eval. review: Not reported
Record has CBI data: Not reported
Safety review date: Not reported
Federal Regulation: Not reported
Federal regulation comment: Not reported

MANDALAY GENERATING STATION (Continued) **1011830663**

Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported
Chemical name:	Ammonia (conc 20% or greater)
Process chemical qty in 100s lbs:	32000
Process flammable chemical name:	Not reported

Process Toxic Alt. Releases:

Percent weight of chemical:	Not reported
Physical state:	Not reported
Analytical basic:	Not reported
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	Not reported
Stability class:	Not reported
Topography:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Process Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	Not reported
Analytical basic:	Not reported
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	Not reported
Stability class:	Not reported
Topography:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

MANDALAY GENERATING STATION (Continued) **1011830663**

Process Flammables Alt. Releases:

Endpoint used:	Not reported
LFL value:	Not reported
Analytical basic:	Not reported
Scenario:	Not reported
Quantity released in pounds:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Process Flammables Worst Case:

Analytical basic:	Not reported
Quantity released in pounds:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Safety review date:	Not reported
Most recent PHA date:	Not reported
Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported

MANDALAY GENERATING STATION (Continued) **1011830663**

Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported

Emergency Response Details:

ER plan:	Not reported
ER plan most recent review date:	2014-04-18 00:00:00
ER plan most recent employee training date:	2013-08-18 00:00:00
Local agency coordinating ER plan:	Oxnard Fire Department
Telephone of the coordinating local agency:	8053857722
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	True
RCRA:	True
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

Risk Management Plan (RMP) Facility Details:

Facility ID:	33191
LEPC city:	California Region 1 LEPC
Facility decimal latitude:	34.207222
Facility decimal longitude:	-119.251111
Is facility in county box:	T
LatLong method:	I1
LatLong description:	ST
Home page web address:	www.rrienergy.com
Facility telephone:	8059845253
Facility email:	Not reported
Facility DUNS #:	40095718
Parent's name:	RRI Energy Mandalay, Inc.
Partner's name:	RRI Energy, Inc.
Parent's DUNS #:	0
Partner's DUNS #:	0
Operator's name:	Reliant Energy Mandalay, Inc.
Operator's telephone:	8059845253
Operator's address:	393 N. Harbor Blvd.
Operators City,St,Zip:	Oxnard, CA 93035
RMP implementation contact:	John Mason
RMP contact title:	Lead Station Engineer
Emergency contact:	Thomas Di Ciolli
Emergency contact title:	General Manager
Emergency contact telephone:	8059845241
24 hour emergency telephone:	8059845201
Emergency contact ext/pin #:	Not reported

MANDALAY GENERATING STATION (Continued) **1011830663**

Number of full time employees: 28
EPA ID: CAD000038174
Facility ID provided by CEPPO: 100000089619
Is facility covered by OSHA PSM: F
Is facility covered by EPCRA 302: T
Is fac. covered by CAA Title V 112(2): T
Clean air op. permit/State ID: 0013
Last safety insp. dat: 2002-07-16 00:00:00
Inspected by: Fire Department
Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: Resubmission
RMP description: Not reported
Facility has no accident hist. recs: True
Foreign owner's address: Not reported
Foreign owner's zip: Not reported
Foreign owner's country: Not reported
Claim # of employees as CBI: False
Date RMP accepted by EPA: 2009-05-22 00:00:00
Date of error Report: Not reported
Date RMP received: 2004-06-18 00:00:00
Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*Submit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2004-06-17 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2009-06-17 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 3.1
FRS latitude: 34.206389999999999
FRS longitude: -119.25
FRS Description: FACILITY CENTROID
FRS Method: INTERPOLATION-MAP

Process Details:
Process ID: 47884
NA & Industry Classification Sys.code(s): 221112
NAICS code description: Fossil Fuel Electric Power Generation
Optional facility description: Selective Catalytic Red.
Program level: 2
Record contains CBI data: False

Process chemical(s):
Chemical name: Ammonia (conc 20% or greater)
Process chemical qty in 100s lbs: 32000
Process flammable chemical name: Not reported

Process Toxic Alt. Releases:
Percent weight of chemical: Not reported
Physical state: Not reported
Analytical basic: Not reported
Scenario: Not reported

MANDALAY GENERATING STATION (Continued) **1011830663**

Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Toxics Worst Case:
Percent weight of chemical: Not reported
Physical state: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Process Flammables Alt. Releases:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Flammables Worst Case:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Safety review date: Not reported
Most recent PHA date: Not reported
Process Hazard Analysis: Not reported
Expected PHA changes completion date: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported

MANDALAY GENERATING STATION (Continued) **1011830663**

Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0
Process flammable chemical name:	Not reported

Process Toxic Alt. Releases:

Percent weight of chemical:	29
Physical state:	b
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b

MANDALAY GENERATING STATION (Continued) **1011830663**

Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Toxics Worst Case:
Percent weight of chemical: 29
Physical state: b
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Dikes

Process Flammables Alt. Releases:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Flammables Worst Case:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Safety review date: Not reported
Most recent PHA date: Not reported
Process Hazard Analysis: Not reported
Expected PHA changes completion date: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported
Changes since the last process hazard analysis: Not reported
Most recent review of op. procedures: Not reported
Most recent training progs review/update: Not reported
Training: Not reported
Competency testing: Not reported
Most recent maintenance review date: Not reported

MANDALAY GENERATING STATION (Continued) **1011830663**

Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported

Emergency Response Details:

ER plan:	Not reported
ER plan most recent review date:	2004-05-25 00:00:00
ER plan most recent employee training date:	2003-12-10 00:00:00
Local agency coordinating ER plan:	Oxnard Fire Department
Telephone of the coordinating local agency:	8053857722
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	True
RCRA:	True
OPA 90:	False
EPCRA:	True
Other Regulations:	Title IV, Title V, 40 CFR Part 75, VCAPCD Rules

A11 **SOUTHERN CALIF EDISON** **CA FID UST** **S101596384**
Target **393 N HARBOR BLVD** **SWEEPS UST** **N/A**
Property **OXNARD, CA 93030**

Site 11 of 20 in cluster A

Actual:
10 ft.

CA FID UST:

Facility ID:	56004702
Regulated By:	UTNKA
Regulated ID:	CAD000630
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	393 N HARBOR BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	OXNARD 93030
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	Active
Comp Number:	894
Number:	9
Board Of Equalization:	44-030635
Referral Date:	09-30-92
Action Date:	09-30-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	56-000-000894-000001
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	3

Status:	Active
Comp Number:	894
Number:	9
Board Of Equalization:	44-030635
Referral Date:	09-30-92
Action Date:	09-30-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	56-000-000894-000002
Tank Status:	A
Capacity:	200
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

SOUTHERN CALIF EDISON (Continued) **S101596384**

Status:	Active
Comp Number:	894
Number:	9
Board Of Equalization:	44-030635
Referral Date:	09-30-92
Action Date:	09-30-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	56-000-000894-000003
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

A12 **CHMIRS** **S106395350**
Target Property **IN FRONT OF THE MANDALAY GENERATING STATION, 393 N. HARBOR B** **N/A**
OXNARD, CA 91773

Site 12 of 20 in cluster A

Actual: 10 ft.

CHMIRS:

OES Incident Number:	02-2696	
OES notification:	05/20/2002	
OES Date:	Not reported	
OES Time:	Not reported	
Incident Date:	Not reported	
Date Completed:	**Not reported**	
Property Use:	Not reported	
Agency Id Number:	Not reported	
Agency Incident Number:	Not reported	
Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	Not reported	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported
Responding Agency Personel # Of Fatalities:		Not reported
Others Number Of Decontaminated:		Not reported
Others Number Of Injuries:		Not reported
Others Number Of Fatalities:		Not reported
Vehicle Make/year:	Not reported	
Vehicle License Number:	Not reported	
Vehicle State:	Not reported	
Vehicle Id Number:	Not reported	
CA DOT PUC/ICC Number:	Not reported	
Company Name:	Not reported	
Reporting Officer Name/ID:	Not reported	
Report Date:	Not reported	
Facility Telephone:	Not reported	
Waterway Involved:	Yes	
Waterway:	Pacific Ocean	
Spill Site:	Not reported	
Cleanup By:	Contractor	

(Continued) **S106395350**

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	Southern California Edison
Incident Date:	5/20/200212:00:00 AM
Admin Agency:	Oxnard Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	#6 Fuel Oil
Gallons:	0.000000
Sheen:	30
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A pipeline is being decommissioned and while cutting, some substance escaped from the seep tent.

A13 **MANDALAY POWER GENERATION** **Toxic Pits** **S100676238**
Target **393 NORTH HARBOR BLVD** **CHMIRS** **N/A**
Property **OXNARD, CA 93030** **EMI**

Site 13 of 20 in cluster A

Actual:
10 ft.

Toxic Pits:

Region:	04
Task #:	04012
Owner:	SOUTHERN CALIFORNIA EDISON
1/2 Mi Limit:	Y
Num. of Pits:	1
Cease Discharge Due:	02/26/95
Cease Discharge Complete:	/ /
Closure Due:	/ /
Closure Completed:	**/ /**
Status:	ACTIVE
Hydro Geological Assessment Report Due:	/ /
Final Hydro Geological Assessment Review Completed:	05/27/88

CHMIRS:

MANDALAY POWER GENERATION (Continued) **S100676238**

OES Incident Number:	00-3530	
OES notification:	08/07/2000	
OES Date:	Not reported	
OES Time:	Not reported	
Incident Date:	Not reported	
Date Completed:	**Not reported**	
Property Use:	Not reported	
Agency Id Number:	Not reported	
Agency Incident Number:	Not reported	
Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	Not reported	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported
Responding Agency Personel # Of Fatalities:		Not reported
Others Number Of Decontaminated:		Not reported
Others Number Of Injuries:		Not reported
Others Number Of Fatalities:		Not reported
Vehicle Make/year:	Not reported	
Vehicle License Number:	Not reported	
Vehicle State:	Not reported	
Vehicle Id Number:	Not reported	
CA DOT PUC/ICC Number:	Not reported	
Company Name:	Not reported	
Reporting Officer Name/ID:	Not reported	
Report Date:	Not reported	
Facility Telephone:	Not reported	
Waterway Involved:	Yes	
Waterway:	Pacific Ocean	
Spill Site:	Not reported	
Cleanup By:	Unknown	
Containment:	Not reported	
What Happened:	Not reported	
Type:	Not reported	
Measure:	Not reported	
Other:	Not reported	
Date/Time:	Not reported	
Year:	2000	
Agency:	Reliant Energy	
Incident Date:	8/7/200012:00:00 AM	
Admin Agency:	Oxnard Fire Department	
Amount:	Not reported	
Contained:	No	
Site Type:	Utilities/Substation	
E Date:	Not reported	
Substance:	Oil	
Gallons:	5	
Unknown:	0	
Substance #2:	Not reported	
Substance #3:	Not reported	
Evacuations:	0	
Number of Injuries:	0	
Number of Fatalities:	0	
#1 Pipeline:	Not reported	

MANDALAY POWER GENERATION (Continued) **S100676238**

#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	2 patches of sheen on water 4 ft x 4 inches wide. While cleaning a retenion basin a sheen appeared. Sheen disipated

EMI:

Year:	1987
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	91
Reactive Organic Gases Tons/Yr:	42
Carbon Monoxide Emissions Tons/Yr:	155
NOX - Oxides of Nitrogen Tons/Yr:	1495
SOX - Oxides of Sulphur Tons/Yr:	38
Particulate Matter Tons/Yr:	28
Part. Matter 10 Micrometers & Smllr Tons/Yr:	28

Year:	1990
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	75
Reactive Organic Gases Tons/Yr:	47
Carbon Monoxide Emissions Tons/Yr:	100
NOX - Oxides of Nitrogen Tons/Yr:	1148
SOX - Oxides of Sulphur Tons/Yr:	213
Particulate Matter Tons/Yr:	50
Part. Matter 10 Micrometers & Smllr Tons/Yr:	48

Year:	1995
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	28

MANDALAY POWER GENERATION (Continued) **S100676238**

Reactive Organic Gases Tons/Yr:	13
Carbon Monoxide Emissions Tons/Yr:	144
NOX - Oxides of Nitrogen Tons/Yr:	546
SOX - Oxides of Sulphur Tons/Yr:	4
Particulate Matter Tons/Yr:	13
Part. Matter 10 Micrometers & Smllr Tons/Yr:	13

Year:	1996
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	22
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	236
NOX - Oxides of Nitrogen Tons/Yr:	146
SOX - Oxides of Sulphur Tons/Yr:	11
Particulate Matter Tons/Yr:	16
Part. Matter 10 Micrometers & Smllr Tons/Yr:	16

Year:	1997
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	24
Reactive Organic Gases Tons/Yr:	11
Carbon Monoxide Emissions Tons/Yr:	265
NOX - Oxides of Nitrogen Tons/Yr:	54
SOX - Oxides of Sulphur Tons/Yr:	8
Particulate Matter Tons/Yr:	17
Part. Matter 10 Micrometers & Smllr Tons/Yr:	17

Year:	1998
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	17
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	120
NOX - Oxides of Nitrogen Tons/Yr:	36
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	8
Part. Matter 10 Micrometers & Smllr Tons/Yr:	8

MANDALAY POWER GENERATION (Continued) **S100676238**

Year:	1999
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	25
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	243
NOX - Oxides of Nitrogen Tons/Yr:	72
SOX - Oxides of Sulphur Tons/Yr:	4
Particulate Matter Tons/Yr:	16
Part. Matter 10 Micrometers & Smllr Tons/Yr:	16

Year:	2000
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	65
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	510
NOX - Oxides of Nitrogen Tons/Yr:	201
SOX - Oxides of Sulphur Tons/Yr:	7
Particulate Matter Tons/Yr:	36
Part. Matter 10 Micrometers & Smllr Tons/Yr:	36

Year:	2001
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	55
Reactive Organic Gases Tons/Yr:	15
Carbon Monoxide Emissions Tons/Yr:	411
NOX - Oxides of Nitrogen Tons/Yr:	174
SOX - Oxides of Sulphur Tons/Yr:	6
Particulate Matter Tons/Yr:	29
Part. Matter 10 Micrometers & Smllr Tons/Yr:	29

Year:	2002
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911

MANDALAY POWER GENERATION (Continued) **S100676238**

Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	198
NOX - Oxides of Nitrogen Tons/Yr:	63
SOX - Oxides of Sulphur Tons/Yr:	3
Particulate Matter Tons/Yr:	14
Part. Matter 10 Micrometers & Smllr Tons/Yr:	14

Year:	2003
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	133
NOX - Oxides of Nitrogen Tons/Yr:	38
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	9
Part. Matter 10 Micrometers & Smllr Tons/Yr:	9

Year:	2004
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11.155
Reactive Organic Gases Tons/Yr:	4.71
Carbon Monoxide Emissions Tons/Yr:	134.81
NOX - Oxides of Nitrogen Tons/Yr:	17.12
SOX - Oxides of Sulphur Tons/Yr:	2.022
Particulate Matter Tons/Yr:	8.426
Part. Matter 10 Micrometers & Smllr Tons/Yr:	8.43

Year:	2005
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.793
Reactive Organic Gases Tons/Yr:	2.5030255
Carbon Monoxide Emissions Tons/Yr:	70.035

MANDALAY POWER GENERATION (Continued) **S100676238**

NOX - Oxides of Nitrogen Tons/Yr:	9.359
SOX - Oxides of Sulphur Tons/Yr:	1.035
Particulate Matter Tons/Yr:	4.553
Part. Matter 10 Micrometers & Smllr Tons/Yr:	4.551362
Year:	2006
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.06728
Reactive Organic Gases Tons/Yr:	2.84650172
Carbon Monoxide Emissions Tons/Yr:	72.27637
NOX - Oxides of Nitrogen Tons/Yr:	8.830865
SOX - Oxides of Sulphur Tons/Yr:	1.05555
Particulate Matter Tons/Yr:	4.84756
Part. Matter 10 Micrometers & Smllr Tons/Yr:	4.84448458
Year:	2007
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.980717
Reactive Organic Gases Tons/Yr:	3.51876364
Carbon Monoxide Emissions Tons/Yr:	90.198275
NOX - Oxides of Nitrogen Tons/Yr:	10.003
SOX - Oxides of Sulphur Tons/Yr:	1.33593
Particulate Matter Tons/Yr:	5.8342785
Part. Matter 10 Micrometers & Smllr Tons/Yr:	5.832445191
Year:	2008
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	N
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11.77825
Reactive Organic Gases Tons/Yr:	4.57830054
Carbon Monoxide Emissions Tons/Yr:	121.73627
NOX - Oxides of Nitrogen Tons/Yr:	13.40991
SOX - Oxides of Sulphur Tons/Yr:	1.80444
Particulate Matter Tons/Yr:	7.85767
Part. Matter 10 Micrometers & Smllr Tons/Yr:	7.8553498
Year:	2009

MANDALAY POWER GENERATION (Continued) **S100676238**

County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	N
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.50958975
Reactive Organic Gases Tons/Yr:	2.93305478
Carbon Monoxide Emissions Tons/Yr:	71.574044999999998
NOX - Oxides of Nitrogen Tons/Yr:	8.6668900000000004
SOX - Oxides of Sulphur Tons/Yr:	1.0230840000000001
Particulate Matter Tons/Yr:	5.0577078000000002
Part. Matter 10 Micrometers & Smllr Tons/Yr:	5.0522618328000002

Year:	2010
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	N
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.598732
Reactive Organic Gases Tons/Yr:	1.08057
Carbon Monoxide Emissions Tons/Yr:	20.488160000000001
NOX - Oxides of Nitrogen Tons/Yr:	4.1501169999999998
SOX - Oxides of Sulphur Tons/Yr:	0.28337699999999999
Particulate Matter Tons/Yr:	1.5582450000000001
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1.5556506000000001

Year:	2011
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.7828096
Reactive Organic Gases Tons/Yr:	0.76157318368
Carbon Monoxide Emissions Tons/Yr:	18.5962676
NOX - Oxides of Nitrogen Tons/Yr:	5.197982
SOX - Oxides of Sulphur Tons/Yr:	0.261796
Particulate Matter Tons/Yr:	1.3614158
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1.3595590208

Year:	2012
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD

MANDALAY POWER GENERATION (Continued) **S100676238**

Community Health Air Pollution Info System:	N
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.50662284
Reactive Organic Gases Tons/Yr:	2.1007797253
Carbon Monoxide Emissions Tons/Yr:	52.4638101
NOX - Oxides of Nitrogen Tons/Yr:	14.8454606
SOX - Oxides of Sulphur Tons/Yr:	0.72496762
Particulate Matter Tons/Yr:	3.99594406
Part. Matter 10 Micrometers & Smllr Tons/Yr:	3.9892662026

A14 **ERNS** **93304184**
Target Property **393 N HARBOR BLVD BWTN VENTURA HARBOR &**
OXNARD, CA **N/A**

Site 14 of 20 in cluster A

Actual: 10 ft.

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

A15 **SOUTHERN CALIFORNIA EDISON INC** **HAZNET** **S112931507**
Target Property **393 HARBOR BLVD** **N/A**
OXNARD, CA 93035

Site 15 of 20 in cluster A

Actual: 10 ft.

HAZNET:

envid:	S112931507
Year:	2003
GEPAID:	CAC002567981
Contact:	JIM CARBONE
Telephone:	8053412367
Mailing Name:	Not reported
Mailing Address:	10351 E FOOTHILL RD
Mailing City,St,Zip:	VENTURA, CA 93003
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Polychlorinated biphenyls and material containing PCBs
Disposal Method:	Transfer Station
Tons:	0.45
Facility County:	Ventura

envid:	S112931507
Year:	2003
GEPAID:	CAC002567981
Contact:	JIM CARBONE
Telephone:	8053412367
Mailing Name:	Not reported
Mailing Address:	10351 E FOOTHILL RD
Mailing City,St,Zip:	VENTURA, CA 93003
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Transfer Station
Tons:	0.42
Facility County:	Ventura

A16 Target Property | **MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN**
393 NORTH HARBOR BOULEVARD
OXNARD, CA 93035

NPDES HIST UST ENF | **U001579791 N/A**

Site 16 of 20 in cluster A

Actual: 10 ft.

NPDES:

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	419328
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 56C361977
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/19/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	03/16/2012
Discharge Name:	Southern California Edison
Discharge Address:	8631 Rush Street
Discharge City:	Rosemead
Discharge State:	California
Discharge Zip:	91770

Npdes Number:	CA0001180
Facility Status:	Active
Agency Id:	38487
Region:	4
Regulatory Measure Id:	148167
Order No:	R4-2001-0057
Regulatory Measure Type:	NPDES Permits
Place Id:	242209
WDID:	4A562019001
Program Type:	NPDINDLRG
Adoption Date Of Regulatory Measure:	04/26/2001
Effective Date Of Regulatory Measure:	04/26/2001
Expiration Date Of Regulatory Measure:	01/01/2012
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	NRG California South LP
Discharge Address:	6635 South Edison Drive
Discharge City:	Oxnard
Discharge State:	CA
Discharge Zip:	93003

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	424241
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 56C363020
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/15/2012

MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN (Continued) **U001579791**

Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 08/14/2012
Discharge Name: Southern California Gas Company
Discharge Address: 555 West Fifth Street GT12B8
Discharge City: Los Angeles
Discharge State: California
Discharge Zip: 90013

Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 192772
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 56I016869
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/17/2001
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: NRG California South LP
Discharge Address: 393 North Harbor Blvd
Discharge City: Oxnard
Discharge State: California
Discharge Zip: 93033

HIST UST:
Region: STATE
Facility ID: 00000022184
Facility Type: Other
Other Type: ELECTRIC UTILITY
Contact Name: J. L. SOCIA, SUPR OF PLANT ENG
Telephone: 8185721801
Owner Name: SOUTHERN CALIFORNIA EDISON CO.
Owner Address: 2244 WALNUT GROVE AVENUE
Owner City,St,Zip: ROSEMEAD, CA 91770
Total Tanks: 0015

Tank Num: 001
Container Num: 179
Year Installed: Not reported
Tank Capacity: 00185000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 180
Year Installed: Not reported
Tank Capacity: 00250000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN (Continued) **U001579791**

Tank Num: 003
Container Num: 181
Year Installed: Not reported
Tank Capacity: 00250000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 182
Year Installed: 1959
Tank Capacity: 00000200
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 005
Container Num: 183
Year Installed: 1978
Tank Capacity: 00005500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 006
Container Num: 184
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 007
Container Num: 185
Year Installed: 1974
Tank Capacity: 00004000
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 008
Container Num: 186
Year Installed: 1974
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 009
Container Num: 187
Year Installed: 1974

MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN (Continued) **U001579791**

Tank Capacity: 00009000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 010
Container Num: 188
Year Installed: 1959
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 011
Container Num: 189
Year Installed: 1959
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 012
Container Num: 190
Year Installed: 1959
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 013
Container Num: 191
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 014
Container Num: 192
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 015
Container Num: 193
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: 06

MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN (Continued) **U001579791**

Container Construction Thickness: Not reported
Leak Detection: Visual

ENF:

Region:	4
Facility Id:	242209
Agency Name:	NRG California South LP
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.20851
Place Longitude:	-119.24851
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	255.3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4A562019001
Reg Measure Id:	148167
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	R4-2001-0057
Npdes# CA#:	CA0001180
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Active
Status Date:	08/22/2013
Effective Date:	04/26/2001
Expiration/Review Date:	01/01/2012
Termination Date:	Not reported

MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN (Continued) **U001579791**

WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	384994
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	05/07/2012
Adoption/Issuance Date:	05/07/2012
Achieve Date:	Not reported
Termination Date:	05/07/2012
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 05/07/2012 for GenOn West, LP
Description:	Not reported
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	4
Facility Id:	242209
Agency Name:	NRG California South LP
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.20851
Place Longitude:	-119.24851
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1

MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN (Continued) **U001579791**

Source Of Facility:	Reg Meas
Design Flow:	255.3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4A562019001
Reg Measure Id:	135511
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	94-131
Npdes# CA#:	CA0001180
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/05/1994
Effective Date:	12/05/1994
Expiration/Review Date:	11/10/1999
Termination Date:	04/25/2001
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	355988
Region:	4
Order / Resolution Number:	R4-2008-0113-M
Enforcement Action Type:	Admin Civil Liability
Effective Date:	11/19/2008
Adoption/Issuance Date:	11/19/2008
Achieve Date:	Not reported
Termination Date:	10/13/2009
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Expedited Settlement Ltr sent 11/19/08 for 64 effluent limit violations.
Description:	Expedited Settlement Ltr sent 11/19/08 for 64 effluent limit violations. MMP amt for 64 effluent violations: $192,000 to CAA. Amended amount: $111,000 by 5/19/09 ltr for 40 violations.

MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN (Continued) **U001579791**

Program:	NPDINDLRG
Latest Milestone Completion Date:	10/13/2009
# Of Programs1:	1
Total Assessment Amount:	$111,000.0
Initial Assessed Amount:	$111,000.0
Liability $ Amount:	$111,000.0
Project $ Amount:	$0.00
Liability $ Paid:	$111,000.0
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$111,000.0
Region:	4
Facility Id:	242209
Agency Name:	NRG California South LP
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.20851
Place Longitude:	-119.24851
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	255.3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4A562019001
Reg Measure Id:	135511
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	94-131
Npdes# CA#:	CA0001180
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported

MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN (Continued) **U001579791**

301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/05/1994
Effective Date:	12/05/1994
Expiration/Review Date:	11/10/1999
Termination Date:	04/25/2001
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236569
Region:	4
Order / Resolution Number:	R4-2001-0083
Enforcement Action Type:	Admin Civil Liability
Effective Date:	07/09/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	07/23/2001
ACL Issuance Date:	07/09/2001
EPL Issuance Date:	Not reported
Status:	Historical
Title:	MMPC 01-083 for $3,000 (07/09/01) - Reliant Energy, Mandalay Generating Station
Description:	Mandatory Minimum Penalty Complaint No. 01-083 for $3,000 issued 7/9/01 for permit effluent violation.
Program:	NPDESWW
Latest Milestone Completion Date:	7/15/2003
# Of Programs1:	1
Total Assessment Amount:	$3,000.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$3,000.00
Project $ Amount:	$0.00
Liability $ Paid:	$3,000.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$3,000.00

Region:	4
Facility Id:	242209
Agency Name:	NRG California South LP
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.20851
Place Longitude:	-119.24851
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN (Continued) **U001579791**

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	255.3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4A562019001
Reg Measure Id:	135511
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	94-131
Npdes# CA#:	CA0001180
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/05/1994
Effective Date:	12/05/1994
Expiration/Review Date:	11/10/1999
Termination Date:	04/25/2001
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	235560
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	04/25/2001
Adoption/Issuance Date:	04/25/2001
Achieve Date:	Not reported
Termination Date:	05/25/2001

MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN (Continued) U001579791

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV - Reliant Energy, Mandalay Generating Station (04/25/01)
Description:	Notice of Violation sent 4/25/01 for effluent violations.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	4
Facility Id:	254025
Agency Name:	NRG California South LP
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Municipal/Domestic
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.20851
Place Longitude:	-119.24851
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0016
Threat To Water Quality:	3
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRMUNIOTH
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	4A562019004
Reg Measure Id:	132133
Reg Measure Type:	WDR
Region:	4
Order #:	R4-2003-0109

MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN (Continued) **U001579791**

Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	200
Status:	Historical
Status Date:	08/18/2008
Effective Date:	08/07/2003
Expiration/Review Date:	08/07/2008
Termination Date:	10/01/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	249189
Region:	4
Order / Resolution Number:	R4-2003-0110
Enforcement Action Type:	Time Schedule Order
Effective Date:	08/07/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/02/2008
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	TSO R4-2003-0110 adopted 8/7/03 to comply with Order R4-2003-0109
Description:	TSO R4-2003-0110 adopted by the Board 8/7/03 contains a schedule for the discharger to come into compliance with the requirements of Order R4-2003-0109. TSO mailed 8/18/03.
Program:	WDRMUNIOTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

A17 **EDISON CANAL MAINT. DREDGING** **WDS** **S105557761**
Target **393 N HARBOR BLVD** **N/A**
Property **OXNARD, CA 93055**

Site 17 of 20 in cluster A

Actual:
10 ft.

CA WDS:

Facility ID:	Santa Clara River 562019003
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	4
Facility Telephone:	8059845243
Facility Contact:	John Mason
Agency Name:	RELIANT ENERGY MANDALAY LLC
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	DREDGS
Waste Type2:	Not reported
Waste2:	Dredging Spoils
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

A18 **MANDALAY GENERATING STATION** **HIST UST** **U001579792**
Target Property **393 HARBOR BLVD** **N/A**
OXNARD, CA 93030

Site 18 of 20 in cluster A

Actual: 10 ft.

HIST UST:

Region:	STATE
Facility ID:	00000066308
Facility Type:	Other
Other Type:	ELECTRIC UTILITY
Contact Name:	J. L. SOCIA
Telephone:	8059845515
Owner Name:	SOUTHERN CALIFORNIA EDISON COM
Owner Address:	224 WALNUT GROVE AVENUE
Owner City,St,Zip:	ROSEMEAD, CA 91770
Total Tanks:	0002
Tank Num:	001
Container Num:	522
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	523
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

A19 **CHMIRS** **S113473077**
Target Property **393 HARBOR BLVD** **N/A**
OXNARD, CA

Site 19 of 20 in cluster A

Actual: 10 ft.

CHMIRS:

OES Incident Number:	'13-1094	
OES notification:	02/21/2013	
OES Date:	Not reported	
OES Time:	Not reported	
Incident Date:	Not reported	
Date Completed:	**Not reported**	
Property Use:	Not reported	
Agency Id Number:	Not reported	
Agency Incident Number:	Not reported	
Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	Not reported	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported

(Continued) **S113473077**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	855
Year:	2013
Agency:	Genon West, LP-Mandalay Generating Station
Incident Date:	2/21/2013
Admin Agency:	Oxnard Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	110
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A newly installed gasket failed causing a release. There were no waterways affected. Clean up is in process.

A20
Target
Property
GENON MANDALAY
393 NO. HARBOR BLVD
OXNARD, CA 93035

FINDS **1015888559**
N/A

Site 20 of 20 in cluster A

Actual:
10 ft.

FINDS:

Registry ID: 110054084904

Environmental Interest/Information System
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

B21
ESE
< 1/8
0.026 mi.
136 ft.
PARADIGM ENVIRONMENTAL - JOB #14672
198 N HARBOR BLVD.
OXNARD, CA 93035

AST **A100338316**
N/A

Site 1 of 3 in cluster B

Relative:
Higher

Actual:
29 ft.

AST:
Certified Unified Program Agencies: Oxnard
Owner: WILLIARD B. TELLER
Total Gallons: 5,500

B22
ESE
< 1/8
0.029 mi.
154 ft.
UNOCAL - MANDALAY FACILITY
201 HARBOR
OXNARD, CA 93035

SLIC **S103546921**
N/A

Site 2 of 3 in cluster B

Relative:
Higher

Actual:
30 ft.

SLIC REG 4:
Region: 4
Facility Status: No further action required
SLIC: 0510
Substance: TPH/V
Staff: Manjulika Chakarbarti

B23
ESE
< 1/8
0.029 mi.
154 ft.

NUEVO MANDALAY ONSHORE FACILITY
201 N HARBOR BLVD
OXNARD, CA 93035

Site 3 of 3 in cluster B

RCRA-SQG **1001111693**
FINDS **CAR000012310**

Relative:
Higher

Actual:
30 ft.

RCRA-SQG:

Date form received by agency:	03/06/2007
Facility name:	MOSF MANDALAY ONSHORE FACILITY
Facility address:	201 N HARBOR BLVD OXNARD, CA 93030
EPA ID:	CAR000012310
Mailing address:	290 MAPLE CT STE 290 VENTURA, CA 93003
Contact:	JAY R RAO
Contact address:	290 MAPLE CT STE 290 VENTURA, CA 93003
Contact country:	US
Contact telephone:	805-535-2078
Contact email:	JRAO@DCORLLC.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	DCOR LLC
Owner/operator address:	290 MAPLE CT STE 290 VENTURA, CA 93003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/01/2004
Owner/Op end date:	Not reported

Owner/operator name:	DCOR LLC
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/01/2004
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

NUEVO MANDALAY ONSHORE FACILITY (Continued) **1001111693**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/04/2005
Site name: MOSF MANDALAY ONSHORE FACILITY
Classification: Small Quantity Generator

Date form received by agency: 08/13/2004
Site name: MOSF
Classification: Small Quantity Generator

Date form received by agency: 04/11/1997
Site name: NUEVO MANDALAY ONSHORE FACILITY
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

NUEVO MANDALAY ONSHORE FACILITY (Continued) **1001111693**

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110009552536

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C24 **MANDALAY SUPPORT FACILITY** **HIST UST** **U001579793**
NE **201 N. HARBOR** **CHMIRS** **N/A**
< 1/8 **OXNARD, CA 93030**
0.040 mi.
212 ft. **Site 1 of 3 in cluster C**

Relative:
Higher

Actual:
23 ft.

HIST UST:
Region: STATE
Facility ID: 00000019524
Facility Type: Other
Other Type: PRODUCTION FACILITY
Contact Name: JIM FINLEY
Telephone: 8056594042
Owner Name: UNION OIL COMPANY
Owner Address: 1003 E. MAIN STREET
Owner City,St,Zip: SANTA PAULA, CA 93060
Total Tanks: 0001

Tank Num: 001

MANDALAY SUPPORT FACILITY (Continued) **U001579793**

Container Num: 1
Year Installed: 1980
Tank Capacity: 00008400
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 6
Leak Detection: Visual

CHMIRS:
OES Incident Number: 02-1098
OES notification: 02/26/2002
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2002
Agency: Torch Energy Services
Incident Date: 2/26/200212:00:00 AM
Admin Agency: Oxnard Fire Department
Amount: Not reported
Contained: Yes
Site Type: Refinery
E Date: Not reported

MANDALAY SUPPORT FACILITY (Continued) **U001579793**

Substance:	Crude Oil
BBLS:	5
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	During a pigging operation a relief valve was closed and caused an overflow.

C25 **MANDALAY ONSHORE FACILITY** **AST** **A100226301**
NNE **201 N HARBOR BLVD** **N/A**
< 1/8 **OXNARD, CA 93030**
0.043 mi.
229 ft. **Site 2 of 3 in cluster C**

Relative:
Higher

Actual:
17 ft.

AST:

Certified Unified Program Agencies:	Oxnard
Owner:	DCOR LLC
Total Gallons:	210,000

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26 **OXNARD DUNES SUBDIVISION** **SLIC** **S106485428**
ENE **HARBOR BLVD** **N/A**
< 1/8 **OXNARD, CA 93030**
0.051 mi.
269 ft.

Relative:
Higher

Actual:
17 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	01/01/1965
Global Id:	SLT4302422
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	56290172
Latitude:	34.207461
Longitude:	-119.246879
Case Type:	Cleanup Program Site
Case Worker:	DDD
Local Agency:	Not reported
RB Case Number:	0039
File Location:	DTSC
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

OXNARD DUNES SUBDIVISION (Continued) **S106485428**

Click here to access the California GeoTracker records for this facility:

C27
NNE
< 1/8
0.066 mi.
351 ft.

SCE - MANDALAY GENERATING STATION AST FARM **SLIC** **S106387077**
303 HARBOR **N/A**
OXNARD, CA 93030

Site 3 of 3 in cluster C

Relative:
Higher

Actual:
17 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/27/2003
Global Id:	SL204391557
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.182059
Longitude:	-119.232559
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0710C
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0710C
Substance:	TPH
Staff:	Manjulika Chakarbarti

D28
NNE
< 1/8
0.079 mi.
415 ft.

NORTH SHORE MANDALAY BAY **SLIC** **S106483950**
500 W. HARBOR BLVD **N/A**
OXNARD, CA

Site 1 of 2 in cluster D

Relative:
Higher

Actual:
16 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	06/30/2002
Global Id:	SL204581612
Lead Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number:	19000021
Latitude:	34.207461
Longitude:	-119.246879
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Not reported

NORTH SHORE MANDALAY BAY (Continued) **S106483950**

Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: CASE TRANSFERRED TO DTSC For More Information See the DTSC Envirostor database at: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id= 19000021

Click here to access the California GeoTracker records for this facility:

D29 **EPTC-MANDALAY** **CHMIRS S103655943**
NNE **373 N HARBOR BLVD** **HWP N/A**
< 1/8 **OXNARD, CA 93030**
0.088 mi.
465 ft. **Site 2 of 2 in cluster D**

Relative:
Higher

Actual:
16 ft.

CHMIRS:

OES Incident Number:	02-2492	
OES notification:	05/08/2002	
OES Date:	Not reported	
OES Time:	Not reported	
Incident Date:	Not reported	
Date Completed:	**Not reported**	
Property Use:	Not reported	
Agency Id Number:	Not reported	
Agency Incident Number:	Not reported	
Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	Not reported	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported
Responding Agency Personel # Of Fatalities:		Not reported
Others Number Of Decontaminated:		Not reported
Others Number Of Injuries:		Not reported
Others Number Of Fatalities:		Not reported
Vehicle Make/year:	Not reported	
Vehicle License Number:	Not reported	
Vehicle State:	Not reported	
Vehicle Id Number:	Not reported	
CA DOT PUC/ICC Number:	Not reported	
Company Name:	Not reported	
Reporting Officer Name/ID:	Not reported	
Report Date:	Not reported	
Facility Telephone:	Not reported	
Waterway Involved:	Yes	
Waterway:	Pacific Ocean	
Spill Site:	Not reported	
Cleanup By:	Reporting Party	
Containment:	Not reported	
What Happened:	Not reported	
Type:	Not reported	
Measure:	Not reported	
Other:	Not reported	
Date/Time:	Not reported	
Year:	2002	
Agency:	So Cal Edison	

EPTC-MANDALAY (Continued) **S103655943**

Incident Date:	5/8/200212:00:00 AM
Admin Agency:	Oxnard Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	No 6 Fuel Oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, during a decommissioning of a marine pipeline the substance was released.

HWP:

EPA Id:	CAD000630913
Cleanup Status:	UNDERGOING CLOSURE
Latitude:	34.16956
Longitude:	-119.2304
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	400439
Assembly District:	44
Senate District:	19
Public Information Officer:	Not reported

Closure:

EPA Id:	CAD000630913
Facility Type:	Historical - Non-Operating
Unit Names:	Wastewater Retention Basin BCCB, Wastewater Retention Basin North, Wastewater Retention Basin South
Event Description:	Closure - PUBLIC COMMENT (BEGIN)
Actual Date:	11/06/2007

EPA Id:	CAD000630913
Facility Type:	Historical - Non-Operating
Unit Names:	Wastewater Retention Basin BCCB, Wastewater Retention Basin North, Wastewater Retention Basin South
Event Description:	Closure - PUBLIC COMMENT (END)
Actual Date:	11/06/2007

EPA Id:	CAD000630913

EPTC-MANDALAY (Continued) **S103655943**

Facility Type: Historical - Non-Operating
Unit Names: Wastewater Retention Basin BCCB, Wastewater Retention Basin North, Wastewater Retention Basin South
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 09/24/2007

EPA Id: CAD000630913
Facility Type: Historical - Non-Operating
Unit Names: Wastewater Retention Basin BCCB, Wastewater Retention Basin North, Wastewater Retention Basin South
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 04/08/2008

Alias:
EPA Id: CAD000630913
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 400439

EPA Id: CAD000630913
Facility Type: Historical - Non-Operating
Alias Type: Alternate Name
Alias: SCE Mandalay

EPA Id: CAD000630913
Facility Type: Historical - Non-Operating
Alias Type: Alternate Name
Alias: Reliant Energy Mandalay

EPA Id: CAD000630913
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110018952365

---

30 **MANDALAY MARINE PIPE LINE FACILITY** **SLIC** **S106483686**
SE **373 HARBOR BLVD** **ENVIROSTOR** **N/A**
1/4-1/2 **OXNARD, CA 93035**
0.349 mi.
1843 ft.

Relative:
Higher

Actual:
11 ft.

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 07/07/2003
Global Id: SL0611182835
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.182059
Longitude: -119.232559
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0710F
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported

MANDALAY MARINE PIPE LINE FACILITY (Continued) **S106483686**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

ENVIROSTOR:

Facility ID:	60001191
Status:	Active
Status Date:	02/01/1995
Site Code:	400439
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	70
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Steven Rounds
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	35
Senate:	19
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.20676
Longitude:	-119.25
APN:	NONE SPECIFIED
Past Use:	ABOVE GROUND STORAGE TANKS
Potential COC:	Polychlorinated biphenyls (PCBs Vanadium and compounds
Confirmed COC:	30587-NO 30018-NO
Potential Description:	OTH, SOIL
Alias Name:	CAD000630913
Alias Type:	EPA Identification Number
Alias Name:	110018952365
Alias Type:	EPA (FRS #)
Alias Name:	400439
Alias Type:	Project Code (Site Code)
Alias Name:	60001191
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	03/29/2010
Comments:	document received, no comment
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	01/19/2010
Comments:	Not reported
Completed Area Name:	RCRA Surface Impoundments
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	11/15/2007

MANDALAY MARINE PIPE LINE FACILITY (Continued) **S106483686**

Comments:	draft closure plan approved by DTSC, passed public coment period - currently implementing
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	06/14/2011
Comments:	Reviewed by DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/10/2012
Comments:	DTSC e-mail to facility
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	06/30/2013
Comments:	Completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Judicial Order
Completed Date:	02/06/1995
Comments:	Order signed and recorded.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	05/07/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	06/30/2014
Comments:	*
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	RCRA Surface Impoundments
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Remedial Action Completion Report
Schedule Due Date:	04/30/2015
Schedule Revised Date:	Not reported

E31
SE
1/4-1/2
0.439 mi.
2318 ft.

J.N.J. DISPOSAL-S.T. CARNEY LA
NE CORNER OR HARBOR BLVD. & WE
OXNARD, CA

Site 1 of 4 in cluster E

WMUDS/SWAT | **S100751912** | **N/A**

Relative:
Higher

Actual:
27 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	C/O MR. JACK JAMAR
Agency Department:	Not reported
Agency Address:	P.O. BOX 6182
Agency City,St,Zip:	VENTURA 93006
Agency Contact:	JNJ SALES AND SERVICE, INC.
Agency Telephone:	Not reported
Land Owner Name:	C/O NORDMAN,CORMANY,HAIR&COMPT
Land Owner Address:	POST OFFICE BOX 1232
Land Owner City,St,Zip:	OXNARD, CA 93032
Land Owner Contact:	SAND HILLS RANCH, INC.
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	J.N.J. DISPOSAL-S.T. CARNEY LANDFILL
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	C/O MR. JACK JAMAR
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	WP
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4A560303001
Solid Waste Information ID:	Not reported

E32 **J.N.J. DISPOSAL LANDFILL** **WMUDS/SWAT** **S101612855**
SE **NE CORNER OF HARBOR BLVD & WES** **N/A**
1/4-1/2 **OXNARD, CA**
0.439 mi.
2318 ft. **Site 2 of 4 in cluster E**

Relative:
Higher

Actual:
27 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	C/O MR. JACK JAMAR
Agency Department:	Not reported
Agency Address:	P.O. BOX 6182
Agency City,St,Zip:	VENTURA 90006
Agency Contact:	JNJ SALES AND SERVICE, INC.
Agency Telephone:	Not reported
Land Owner Name:	C/O NORDMAN, CORMANY,HAIR & CO
Land Owner Address:	P.O. BOX 1232
Land Owner City,St,Zip:	OXNARD, CA 93032
Land Owner Contact:	SAND HILLS RANCH, INC.
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	C/O MR. JACK JAMAR
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	WP
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4A560302001
Solid Waste Information ID:	Not reported

E33
SE
1/4-1/2
0.439 mi.
2318 ft.

J N J SALES & SERV
5TH & HARBOR
OXNARD, CA 93030

Site 3 of 4 in cluster E

CERCLIS **1000120511**
CAD980636773

Relative:
Higher

Actual:
27 ft.

CERCLIS:

Site ID:	0901840
EPA ID:	CAD980636773
Facility County:	VENTURA
Short Name:	J N J SALES & SERV
Congressional District:	20
IFMS ID:	Not reported
SMSA Number:	6000
USGC Hydro Unit:	18070103
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	N
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	Not reported
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	09
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Not on the NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Site Reassessment Start Needed
Non NPL Status Date:	04/26/07
Site Fips Code:	06111
CC Concurrence Date:	/ /
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Contact Name(s):

Contact ID:	13003854.00000
Contact Name:	Leslie Ramirez
Contact Tel:	(415) 972-3978
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Contact ID:	13003858.00000
Contact Name:	Sharon Murray
Contact Tel:	(415) 972-4250
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Contact ID:	13004003.00000
Contact Name:	Carl Brickner
Contact Tel:	Not reported
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Alias Comments:	Not reported

J N J SALES & SERV (Continued) **1000120511**

Site Description: 4/00: SST review found that the site was high priority ,

CERCLIS Assessment History:

Action Code:	001
Action:	DISCOVERY
Date Started:	/ /
Date Completed:	05/01/81
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	001
Action:	PRELIMINARY ASSESSMENT
Date Started:	07/01/85
Date Completed:	08/01/85
Priority Level:	Low priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	State, Fund Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	001
Action:	SITE INSPECTION
Date Started:	/ /
Date Completed:	08/01/87
Priority Level:	Higher priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	State, Fund Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	002
Action:	SITE INSPECTION
Date Started:	/ /
Date Completed:	01/02/90
Priority Level:	Higher priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

E34 **JNJ 1982** **SWF/LF** **S102363139**
SE **CORNER OF 5TH ST. AND HARBOR BLVD.** **N/A**
1/4-1/2 **OXNARD, CA**
0.439 mi.
2318 ft. **Site 4 of 4 in cluster E**

Relative:
Higher

Actual:
27 ft.

SWF/LF (SWIS):

Region:	STATE
Facility ID:	56-CR-0055
Lat/Long:	34.1993900 / -119.2403
Owner Name:	Mandalay Bay Development, LLC
Owner Telephone:	Not reported
Owner Address:	Brooke A. Johnson
Owner Address2:	221 S. Figueroa St. Suite 100
Owner City,St,Zip:	Los Angeles, CA 90012
Operational Status:	Closed
Operator:	J.N.J. Sales And Service Inc.
Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	0
Activity:	Solid Waste Disposal Site
Regulation Status:	Unpermitted
Landuse Name:	Not reported
GIS Source:	Map
Category:	Disposal
Unit Number:	01
Inspection Frequency:	None
Accepted Waste:	Not reported
Closure Date:	12/31/1982
Closure Type:	Estimated
Disposal Acreage:	0
SWIS Num:	56-CR-0055
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	0
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	0
Remaining Capacity:	0
Remaining Capacity with Units:	Not reported
Lat/Long:	34.1993900 / -119.2403

F35 **OXNARD SEACOAST BATTERY** **FUDS** **1009484548**
SSE **N/A**
1/2-1 **OXNARD, CA**
0.509 mi.
2688 ft. **Site 1 of 2 in cluster F**

Relative:
Higher

Actual:
13 ft.

FUDS:

Federal Facility ID:	CA9799F5550
FUDS #:	J09CA0530
INST ID:	61152
Facility Name:	OXNARD SEACOAST BATTERY
City:	OXNARD
State:	CA
EPA Region:	09
County:	VENTURA

OXNARD SEACOAST BATTERY (Continued) **1009484548**

Congressional District:	23
US Army District:	Los Angeles District (SPL)
Fiscal Year:	2012
Telephone:	213-452-3920
NPL Status:	Not Listed
RAB:	Not reported
CTC:	65
Current Owner:	Private Sector
Current Prog:	Not reported
Future Prog:	Not reported
Acreage:	Not reported
Description:	+ OR - 19 ACRES
History:	SEACOAST DEFENSE SITE
Latitude:	34.19620100000
Longitude:	-119.245003

F36 **OXNARD SEACOAST BATTERY** **ENVIROSTOR** **S107736986**
SSE **N/A**
1/2-1 **VENTURA, CA**
0.512 mi.
2702 ft. **Site 2 of 2 in cluster F**

Relative:
Higher

Actual:
13 ft.

ENVIROSTOR:

Facility ID:	80000347
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	37
Senate:	19
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	34.19777
Longitude:	-119.2458
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Explosives (UXO, MEC
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F555000
Alias Type:	Federal Facility ID
Alias Name:	J09CA0530
Alias Type:	INPR
Alias Name:	80000347
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

OXNARD SEACOAST BATTERY (Continued) **S107736986**

Completed Document Type:	Archive Search Report (ASR)
Completed Date:	08/01/1996
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

37
SE
1/2-1
0.637 mi.
3366 ft.

NORTH SHORE AT MANDALAY BAY **VCP** **S106665381**
(NO NUMBER) HARBOR BLVD. WEST 5TH ST. **ENVIROSTOR** **N/A**
OXNARD, CA 93035

Relative:
Higher

Actual:
15 ft.

VCP:

Facility ID:	19000021
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	90
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Ivy Castillo
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Site Code:	301642
Assembly:	37
Senate:	19
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	10/11/2012
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.20172 / -119.2417
APN:	183-0-010-335, 183-0-010-705, 183-0-010-725, 183-0-101-385, 183001070, 183001072, 183001073, 183001074, 183002103
Past Use:	LANDFILL - DOMESTIC, OIL FIELD, OIL FIELD
Potential COC:	10003, 10009, 30018, 30003, 30019, 30009, 30018, 30024, 3002502
Confirmed COC:	30019-NO,30003-NO,,
Potential Description:	OTH, SOIL
Alias Name:	CARNEX AND SON LANDFILL
Alias Type:	Alternate Name
Alias Name:	JNJ DISPOSAL LANDFILL
Alias Type:	Alternate Name
Alias Name:	183-0-010-335
Alias Type:	APN
Alias Name:	183-0-010-705
Alias Type:	APN
Alias Name:	183-0-010-725
Alias Type:	APN

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Alias Name: 183-0-101-385
Alias Type: APN
Alias Name: 183001070
Alias Type: APN
Alias Name: 183001072
Alias Type: APN
Alias Name: 183001073
Alias Type: APN
Alias Name: 183001074
Alias Type: APN
Alias Name: 183002103
Alias Type: APN
Alias Name: 110033611946
Alias Type: EPA (FRS #)
Alias Name: 301242
Alias Type: Site Code - Historical
Alias Name: 56-CR-0055
Alias Type: HWTS Identification Code
Alias Name: 301642
Alias Type: Project Code (Site Code)
Alias Name: 19000021
Alias Type: Envirostor ID Number
Alias Name: 56000001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consultative Service Agreement
Completed Date: 01/23/2013
Comments: Contract was executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 10/20/2005
Comments: DTSC approved report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 08/31/2006
Comments: Final FS/RAP approval letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 12/06/2006
Comments: Site preparation activities including "Grubbing and clearing" was approved on November 6, 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/18/2006
Comments: Phase 2 approved.

Completed Area Name: PROJECT WIDE

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 12/18/2006
Comments: Phase:2 approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 07/13/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/19/2007
Comments: Limited sampling was performed on the Mc grath site for the soil import which was later followed by stockpile sampling after importing the Mc Grath soil on the site.Samples were analyzed for Organochlorine Pesticides, CAM 17 Metals,Total Petroleum Hydrocarbons - Carbon Chain (TPHcc) , and Polycyclic Aromatic Hydrocarbons (PAHs) .Sampling results continued to show the same trends of non detect or very low levels (below residential PRGs) , hence there were no health concerns about placing the soils in the resources protection area or 10 feet or deeper below surface in the residential areas.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 07/11/2007
Comments: Ground Water Extraction and Treatment design approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/01/2007
Comments: The report complied the data from investigations conducted at site between july 2006 and January 2007.The over all objective of this investigation was to define the distribution of chemicals in Ground Water and soils to facilitate design and implementation of appropriate remedial efforts.Data Gaps were identified and discussed during the meeting between DTSC and LFR on 2/1/07.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/03/2006
Comments: Temporary and Permanent GW monitoring wells were installed at the site on july 25th through july 28th, july 31st, and August 1st through august 3rd, 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/18/2006
Comments: LFR Conducted a soil and soil gas investigation in the area of TMW-7 and former soil gas location SG-36 to evaluate the potential presence of VOC affected soil in this vicinity.ten GW samples were collected

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

from both shallow and deep perched zone on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/17/2006
Comments: MIP Investigation was conducted to evaluate the extent and distribution of the VOC mass relative to lithology in the areas of known VOC impacts from previously evaluated soil, soil gas and GW analytical data.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/05/2006
Comments: Soil and GW Confirmation Sampling for MIP Investigation was performed on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/19/2006
Comments: Additional hydropunch GW Sampling was conducted at two locations within the VOC area to further delineate the lateral extent of VOC concentration detected during MIP Investigation and subsequent confirmation sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/12/2007
Comments: Additional GW sampling was conducted to further delineate the area of VOC-affected ground water in the north eastern portion of the site.Additional sampling was conducted in the area around GW-6, between GW-3 and former well TMW-5 and various other location including the vicinity of TMW-3 and GW-18 to define the lateral extent of VOC Affected ground water.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/07/2007
Comments: Additional hydropunch GW sampling was conducted to further characterize the extent of contamination and collecting depth-specific samples within UpperBeachSand aquifier.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/27/2007
Comments: Soil Sampling was conducted to delineate the extent of previously identified source areas.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/09/2007

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Comments:	six test pits were excavated to the top of the clayey silt within the VOC area.The purpose of the testpits was to evaluate the volume of sludge,sand and silt within VOC area.In addition, samples of the sand and top of the clayey silt were collected to evaluate soil concentration above the less affected ground water.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	11/29/2007
Comments:	Soil Excavation, Relocation and Consolidation activities were accomplished on the site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	12/31/2010
Comments:	Field work was completed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/09/2012
Comments:	report reviewed and discussed in meeting on october 9.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	04/10/2012
Comments:	Report sent to EPA
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	06/14/2011
Comments:	EPA extended LUC
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	06/11/2012
Comments:	LARWQCB Approval Letter
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	05/14/2009
Comments:	Tri-Monthly Monitoring Report for Monitoring and Reporting Program
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	02/12/2009
Comments:	Tri-Monthly Monitoring Report for Monitoring and Reporting Program
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Completed Document Type: Monitoring Report
Completed Date: 08/30/2009
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2009
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/12/2010
Comments: Tri-Monthly Monitoring Reportfor Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/12/2010
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/13/2010
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/12/2010
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2011
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/13/2011
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/13/2011
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2011
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2012
Comments: Annual Summary report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2012
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2012
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/26/2013
Comments: Partial RACR was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/22/2013
Comments: Report was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 02/22/2013
Comments: The report was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/22/2014
Comments: WP approval documented via email. Verbal approval issued 3/21.
Field wk completed wk of April 14, 2014

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/30/2013
Comments: Voluntary Cleanup Agreement executed and effective December 30, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 10/17/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 10/17/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/22/2004
Comments: This VCA is for review and approval of existing data. In addition, under DTSC's oversight, the Proponent may complete a Remedial Action Plan and conduct remedial and/or removal actions to address site soil contamination in order to achieve soil conditions for unrestricted use of the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/07/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/16/2014
Comments: Routine monitoring report.

Completed Area Name: PROJECT WIDE

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 10/17/2006
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2015
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2015
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2015
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2015
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2015
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2016
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2016
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2016
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 04/13/2015
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 03/25/2015
Schedule Revised Date: Not reported

ENVIROSTOR:
Facility ID: 19000021
Status: Active
Status Date: 10/11/2012
Site Code: 301642

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	90
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Ivy Castillo
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	37
Senate:	19
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.20172
Longitude:	-119.2417
APN:	183-0-010-335, 183-0-010-705, 183-0-010-725, 183-0-101-385, 183001070, 183001072, 183001073, 183001074, 183002103
Past Use:	LANDFILL - DOMESTIC, OIL FIELD, OIL FIELD
Potential COC:	* HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS Polychlorinated biphenyls (PCBs Benzene Polynuclear aromatic hydrocarbons (PAHs Dioxin (as 2,3,7,8-TCDD TEQ Polychlorinated biphenyls (PCBs TPH-diesel TPH-MOTOR OIL
Confirmed COC:	30019-NO 30003-NO
Potential Description:	OTH, SOIL
Alias Name:	CARNEX AND SON LANDFILL
Alias Type:	Alternate Name
Alias Name:	JNJ DISPOSAL LANDFILL
Alias Type:	Alternate Name
Alias Name:	183-0-010-335
Alias Type:	APN
Alias Name:	183-0-010-705
Alias Type:	APN
Alias Name:	183-0-010-725
Alias Type:	APN
Alias Name:	183-0-101-385
Alias Type:	APN
Alias Name:	183001070
Alias Type:	APN
Alias Name:	183001072
Alias Type:	APN
Alias Name:	183001073
Alias Type:	APN
Alias Name:	183001074
Alias Type:	APN
Alias Name:	183002103
Alias Type:	APN
Alias Name:	110033611946
Alias Type:	EPA (FRS #)
Alias Name:	301242
Alias Type:	Site Code - Historical
Alias Name:	56-CR-0055
Alias Type:	HWTS Identification Code
Alias Name:	301642
Alias Type:	Project Code (Site Code)
Alias Name:	19000021

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Alias Type: Envirostor ID Number
Alias Name: 56000001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consultative Service Agreement
Completed Date: 01/23/2013
Comments: Contract was executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 10/20/2005
Comments: DTSC approved report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 08/31/2006
Comments: Final FS/RAP approval letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 12/06/2006
Comments: Site preparation activities including "Grubbing and clearing" was approved on November 6, 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/18/2006
Comments: Phase 2 approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 12/18/2006
Comments: Phase:2 approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 07/13/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/19/2007
Comments: Limited sampling was performed on the Mc grath site for the soil import which was later followed by stockpile sampling after importing the Mc Grath soil on the site.Samples were analyzed for Organochlorine Pesticides, CAM 17 Metals,Total Petroleum Hydrocarbons - Carbon Chain (TPHcc) , and Polycyclic Aromatic Hydrocarbons (PAHs) .Sampling results continued to show the same trends of non detect or

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

very low levels (below residential PRGs) , hence there were no health concerns about placing the soils in the resources protection area or 10 feet or deeper below surface in the residential areas.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 07/11/2007
Comments: Ground Water Extraction and Treatment design approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/01/2007
Comments: The report complied the data from investigations conducted at site between july 2006 and January 2007.The over all objective of this investigation was to define the distribution of chemicals in Ground Water and soils to facilitate design and implementation of appropriate remedial efforts.Data Gaps were identified and discussed during the meeting between DTSC and LFR on 2/1/07.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/03/2006
Comments: Temporary and Permanent GW monitoring wells were installed at the site on july 25th through july 28th, july 31st, and August 1st through august 3rd, 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/18/2006
Comments: LFR Conducted a soil and soil gas investigation in the area of TMW-7 and former soil gas location SG-36 to evaluate the potential presence of VOC affected soil in this vicinity.ten GW samples were collected from both shallow and deep perched zone on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/17/2006
Comments: MIP Investigation was conducted to evaluate the extent and distribution of the VOC mass relative to lithology in the areas of known VOC impacts from previously evaluated soil, soil gas and GW analytical data.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/05/2006
Comments: Soil and GW Confirmation Sampling for MIP Investigation was performed on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Completed Date: 12/19/2006
Comments: Additional hydropunch GW Sampling was conducted at two locations within the VOC area to further delineate the lateral extent of VOC concentration detected during MIP Investigation and subsequent confirmation sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/12/2007
Comments: Additional GW sampling was conducted to further delineate the area of VOC-affected ground water in the north eastern portion of the site.Additional sampling was conducted in the area around GW-6, between GW-3 and former well TMW-5 and various other location including the vicinity of TMW-3 and GW-18 to define the lateral extent of VOC Affected ground water.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/07/2007
Comments: Additional hydropunch GW sampling was conducted to further characterize the extent of contamination and collecting depth-specific samples within UpperBeachSand aquifier.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/27/2007
Comments: Soil Sampling was conducted to delineate the extent of previously identified source areas.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/09/2007
Comments: six test pits were excavated to the top of the clayey silt within the VOC area.The purpose of the testpits was to evaluate the volume of sludge,sand and silt within VOC area.In addition, samples of the sand and top of the clayey silt were collected to evaluate soil concentration above the less affected ground water.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/29/2007
Comments: Soil Excavation, Relocation and Consolidation activities were accomplished on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/31/2010
Comments: Field work was completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Completed Document Type: Monitoring Report
Completed Date: 10/09/2012
Comments: report reviewed and discussed in meeting on october 9.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2012
Comments: Report sent to EPA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/14/2011
Comments: EPA extended LUC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/11/2012
Comments: LARWQCB Approval Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/14/2009
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/12/2009
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/30/2009
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2009
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/12/2010
Comments: Tri-Monthly Monitoring Reportfor Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/12/2010
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/13/2010
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/12/2010
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2011
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/13/2011
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/13/2011
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2011
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2012
Comments: Annual Summary report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2012
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2012
Comments: Tri-Monthly Monitoring Report for Monitoring and Reporting Program

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Completed Date: 11/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/26/2013
Comments: Partial RACR was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/22/2013
Comments: Report was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 02/22/2013
Comments: The report was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/22/2014
Comments: WP approval documented via email. Verbal approval issued 3/21.
Field wk completed wk of April 14, 2014

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/30/2013
Comments: Voluntary Cleanup Agreement executed and effective December 30, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 10/17/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 10/17/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/22/2004
Comments: This VCA is for review and approval of existing data. In addition,

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

under DTSC's oversight, the Proponent may complete a Remedial Action Plan and conduct remedial and/or removal actions to address site soil contamination in order to achieve soil conditions for unrestricted use of the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/07/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/16/2014
Comments: Routine monitoring report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 10/17/2006
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2015
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2015
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2015
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2015

NORTH SHORE AT MANDALAY BAY (Continued) **S106665381**

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Report
Future Due Date:	2015
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2017
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Action Completion Report
Future Due Date:	2016
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Land Use Restriction
Future Due Date:	2016
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2016
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Site Characterization Report
Schedule Due Date:	04/13/2015
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Site Characterization Report
Schedule Due Date:	03/25/2015
Schedule Revised Date:	Not reported

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38 **DUNES SUBDIVISION** **CA BOND EXP. PLAN** **S100833376**
SE **OXNARD DUNES SUBDIVISION** **RESPONSE** **N/A**
1/2-1 **OXNARD, CA 93030** **ENVIROSTOR**
0.940 mi.
4965 ft.

Relative:
Higher

Actual:
22 ft.

CA BOND EXP. PLAN:

Reponsible Party:	DETAILED SITE EXPENDITURE PLAN
Project Revenue Source Company:	Not reported
Project Revenue Source Addr:	Not reported
Project Revenue Source City,St,Zip:	Not reported
Project Revenue Source Desc:	The PRPs have been found to be in noncompliance with an order issued by the Department. Therefore, it will be necessary to utilize Bond funds to remediate this site. DHS will undertake appropriate cost recovery actions. This site has not been identified as a NPL, site, nor does it appear to be a likely candidate in the future. Therefore, it appears unlikely that federal funds are a viable source of revenue for this site.
Site Description:	Oil field wastes were disposed of onsite during the 1950's and early 1960's. The site was subsequently subdivided and has been partially developed for residences.
Hazardous Waste Desc:	Wastes include crude oil breakdown products, primarily of the cyclohexane group.
Threat To Public Health & Env:	The site may have contaminated ground water. There could be emissions of soil gas to confined spaces such as residences or underground utilities. Residential monitoring has not detected any elevated levels of contaminants in the air.
Site Activity Status:	DHS issued RAO to PRPs in November, 1987. PRPs were found in noncompliance with the orders in January, 1988. One PRP filed suit against DHS in January, 1988 to prevent DHS from initiating site characterization. A temporary stay was

DUNES SUBDIVISION (Continued) **S100833376**

granted, but a permanent injunction was denied in March, 1988, allowing DHS to resume work. In March and July 1988, DHS conducted residential air monitoring and in March, 1988 collected residential tap water samples. The monitoring did not indicate the potential for increased exposure related to hazardous substances. At least five legal actions have been filed by residents or PRPs to date. Inasmuch as such actions have in the past delayed or interfered with site work, it may be anticipated that further delays could occur. A work plan is currently being developed to take soil samples and conduct a soil vapor investigation. These activities are expected to commence in December, 1988.

RESPONSE:

Facility ID:	56290172
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	Not reported
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Dave Stuck
Supervisor:	Hamid Saebfar
Division Branch:	Cleanup Chatsworth
Site Code:	Not reported
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	37
Senate:	19
Special Program Status:	Not reported
Status:	* De-listed
Status Date:	07/29/1991
Restricted Use:	NO
Funding:	Orphan Funds
Latitude:	34.19472
Longitude:	-119.2380
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC :	* UNSPECIFIED OIL CONTAINING WASTE * WASTE OIL & MIXED OIL * DRILLING MUD
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	HUMACID-MACLEOD CO
Alias Type:	Alternate Name
Alias Name:	OXNARD DUNES
Alias Type:	Alternate Name
Alias Name:	CAD981418171
Alias Type:	EPA Identification Number
Alias Name:	110033618583
Alias Type:	EPA (FRS #)
Alias Name:	P33052
Alias Type:	PCode
Alias Name:	56290172
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Order
Completed Date:	06/14/1994
Comments:	Not reported

DUNES SUBDIVISION (Continued) **S100833376**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Delisting Document
Completed Date: 07/29/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 01/31/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Order
Completed Date: 11/30/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/19/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 12/31/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 01/31/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/04/1987
Comments: SITE SCREENING DONE BEP SITE; FORMERLY A CERCLA 104 PA (SI-HIGH)

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Facility ID: 56290172
Status: * De-listed
Status Date: 07/29/1991
Site Code: Not reported

DUNES SUBDIVISION (Continued) **S100833376**

Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: Not reported
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Dave Stuck
Supervisor: Hamid Saebfar
Division Branch: Cleanup Chatsworth
Assembly: 37
Senate: 19
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 34.19472
Longitude: -119.2380
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * UNSPECIFIED OIL CONTAINING WASTE * WASTE OIL & MIXED OIL * DRILLING MUD
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: HUMACID-MACLEOD CO
Alias Type: Alternate Name
Alias Name: OXNARD DUNES
Alias Type: Alternate Name
Alias Name: CAD981418171
Alias Type: EPA Identification Number
Alias Name: 110033618583
Alias Type: EPA (FRS #)
Alias Name: P33052
Alias Type: PCode
Alias Name: 56290172
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/14/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Delisting Document
Completed Date: 07/29/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 01/31/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Order

DUNES SUBDIVISION (Continued) **S100833376**

Completed Date: 11/30/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/19/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 12/31/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 01/31/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/04/1987
Comments: SITE SCREENING DONE BEP SITE; FORMERLY A CERCLA 104 PA (SI-HIGH)

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 1 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
OXNARD	S105520867	OXNARD DUNES SUBDIVISION	HARBOR	93030	SLIC

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/08/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 01/08/2015
Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/08/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 01/08/2015
Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/08/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 01/08/2015
Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 01/09/2015
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/21/2014
Date Data Arrived at EDR: 10/07/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/09/2015
Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 01/09/2015
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014
Date Data Arrived at EDR: 09/19/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/03/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014
Date Data Arrived at EDR: 09/19/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/03/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/29/2014
Date Data Arrived at EDR: 10/09/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 11

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 09/30/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 37

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 11/03/2014
Date Data Arrived at EDR: 11/04/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/04/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 11/03/2014
Date Data Arrived at EDR: 11/04/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/04/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/17/2014
Date Data Arrived at EDR: 11/19/2014
Date Made Active in Reports: 12/24/2014
Number of Days to Update: 35

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 12/12/2014
Date Data Arrived at EDR: 12/15/2014
Date Made Active in Reports: 01/05/2015
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/15/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Quarterly

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 12/12/2014
Date Data Arrived at EDR: 12/15/2014
Date Made Active in Reports: 01/05/2015
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/15/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/20/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 73

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/04/2014
Date Data Arrived at EDR: 11/07/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 10

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2014
Date Data Arrived at EDR: 08/22/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 27

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/06/2014
Date Data Arrived at EDR: 10/29/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 19

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/31/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/03/2014
Date Data Arrived at EDR: 11/05/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 12
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/09/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/17/2014
Date Data Arrived at EDR: 09/17/2014
Date Made Active in Reports: 10/24/2014
Number of Days to Update: 37
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/15/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/23/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/20/2014
Date Data Arrived at EDR: 08/22/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 27
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/20/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 08/15/2014
Number of Days to Update: 66
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/14/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/04/2014
Date Data Arrived at EDR: 11/07/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 10

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/03/2014
Date Data Arrived at EDR: 11/05/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 12

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/06/2014
Date Data Arrived at EDR: 10/29/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 8

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/31/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/12/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/31/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 11/03/2014
Date Data Arrived at EDR: 11/04/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/04/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/22/2014
Date Data Arrived at EDR: 09/23/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/22/2014
Next Scheduled EDR Contact: 04/06/2015
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/24/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/16/2014
Date Data Arrived at EDR: 09/17/2014
Date Made Active in Reports: 10/23/2014
Number of Days to Update: 36
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/15/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 09/08/2014
Date Data Arrived at EDR: 09/09/2014
Date Made Active in Reports: 10/22/2014
Number of Days to Update: 43
Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/12/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/29/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 09/09/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 41
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/25/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 11/03/2014
Date Data Arrived at EDR: 11/04/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 38
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/04/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2014
Date Data Arrived at EDR: 09/02/2014
Date Made Active in Reports: 09/24/2014
Number of Days to Update: 22
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/12/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 09/09/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 41

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/25/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 12/24/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 10/02/2014
Date Data Arrived at EDR: 10/03/2014
Date Made Active in Reports: 11/20/2014
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/05/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/08/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/22/2014
Number of Days to Update: 42

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/09/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/30/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 10/27/2014
Date Data Arrived at EDR: 10/29/2014
Date Made Active in Reports: 12/10/2014
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/29/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 12/12/2014
Date Data Arrived at EDR: 12/15/2014
Date Made Active in Reports: 01/05/2015
Number of Days to Update: 21

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/15/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 12/12/2014
Date Data Arrived at EDR: 12/15/2014
Date Made Active in Reports: 01/05/2015
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/15/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/04/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/15/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/12/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/24/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/12/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/05/2014
Date Data Arrived at EDR: 09/04/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 74

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/30/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/22/2014
Next Scheduled EDR Contact: 04/06/2015
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2014
Date Data Arrived at EDR: 10/29/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 01/09/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/16/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/04/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/07/2014
Date Data Arrived at EDR: 10/08/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/08/2015
Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/16/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/09/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 07/14/2014
Date Data Arrived at EDR: 09/17/2014
Date Made Active in Reports: 10/23/2014
Number of Days to Update: 36

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/15/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/17/2014
Date Data Arrived at EDR: 11/19/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 40
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 09/30/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 50
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/18/2014
Next Scheduled EDR Contact: 04/06/2015
Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 06/28/2014
Date Data Arrived at EDR: 07/03/2014
Date Made Active in Reports: 08/21/2014
Number of Days to Update: 49
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/22/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Annually

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/23/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/10/2014
Date Data Arrived at EDR: 11/12/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 30

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 35

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/16/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 03/25/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 34

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/24/2014
Next Scheduled EDR Contact: 04/06/2015
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/15/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/18/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Varies

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/24/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 12/30/2014
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/25/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/17/2014
Date Data Arrived at EDR: 11/18/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 41

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: Varies

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/16/2014
Date Data Arrived at EDR: 09/17/2014
Date Made Active in Reports: 10/23/2014
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/15/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/28/2014
Date Data Arrived at EDR: 10/30/2014
Date Made Active in Reports: 12/10/2014
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 10/31/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/14/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/14/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/13/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/23/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/23/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Annually

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/15/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/20/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/23/2014
Number of Days to Update: 43
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/09/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/12/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information
All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/04/2014
Date Data Arrived at EDR: 09/04/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 46
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/11/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: Quarterly

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 46
Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/05/2015
Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36
Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/29/2015
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339
Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/15/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: N/A

2020 COR ACTION: 2020 Corrective Action Program List
The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/14/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/21/2014
Date Data Arrived at EDR: 11/07/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 35

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/21/2014
Date Data Arrived at EDR: 11/07/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 38

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 09/08/2014
Date Data Arrived at EDR: 09/09/2014
Date Made Active in Reports: 09/24/2014
Number of Days to Update: 15

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 12/05/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 11/20/2014
Date Data Arrived at EDR: 11/24/2014
Date Made Active in Reports: 01/07/2015
Number of Days to Update: 44

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/12/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 10/06/2014
Date Data Arrived at EDR: 10/07/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 43

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 01/12/2015
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 24

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/17/2014
Date Data Arrived at EDR: 11/19/2014
Date Made Active in Reports: 01/06/2015
Number of Days to Update: 48

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 11/03/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 11/03/2014
Date Data Arrived at EDR: 11/04/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 38

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 11/03/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/19/2014
Date Data Arrived at EDR: 11/21/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 38

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 11/03/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 10/14/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 36

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/05/2015
Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 09/10/2014
Date Data Arrived at EDR: 09/11/2014
Date Made Active in Reports: 09/25/2014
Number of Days to Update: 14

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 11/03/2014
Date Data Arrived at EDR: 11/04/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 38

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/22/2014
Date Data Arrived at EDR: 11/12/2014
Date Made Active in Reports: 12/19/2014
Number of Days to Update: 37

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/21/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 12/30/2014
Number of Days to Update: 35

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 10/20/2014
Date Data Arrived at EDR: 10/21/2014
Date Made Active in Reports: 01/05/2015
Number of Days to Update: 76

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 12/18/2014
Next Scheduled EDR Contact: 04/06/2015
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 41

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/12/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/20/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 51

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/22/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/17/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/07/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/25/2014
Number of Days to Update: 28

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/17/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 10/20/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 54

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 07/28/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 08/20/2014
Number of Days to Update: 23

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/13/2014
Date Data Arrived at EDR: 03/27/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 32

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/12/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 10/02/2014
Date Data Arrived at EDR: 10/03/2014
Date Made Active in Reports: 11/20/2014
Number of Days to Update: 48

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/05/2015
Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 33

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 09/02/2014
Date Data Arrived at EDR: 09/05/2014
Date Made Active in Reports: 09/24/2014
Number of Days to Update: 19

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 28

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/25/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/25/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 09/16/2014
Date Data Arrived at EDR: 09/18/2014
Date Made Active in Reports: 09/25/2014
Number of Days to Update: 7

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 12/15/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/01/2014
Date Data Arrived at EDR: 11/12/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 30

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/01/2014
Date Data Arrived at EDR: 11/12/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 30

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/01/2014
Date Data Arrived at EDR: 11/10/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 35

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/10/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/22/2014
Date Data Arrived at EDR: 09/23/2014
Date Made Active in Reports: 11/21/2014
Number of Days to Update: 59

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/05/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/08/2014
Date Data Arrived at EDR: 10/10/2014
Date Made Active in Reports: 11/20/2014
Number of Days to Update: 41

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/22/2014
Next Scheduled EDR Contact: 01/05/2015
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/08/2014
Date Data Arrived at EDR: 10/10/2014
Date Made Active in Reports: 11/25/2014
Number of Days to Update: 46

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/22/2014
Next Scheduled EDR Contact: 04/06/2015
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/06/2014
Date Data Arrived at EDR: 04/08/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 21

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/07/2015
Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 10/21/2014
Date Data Arrived at EDR: 10/28/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 48

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/05/2015
Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/06/2014
Date Data Arrived at EDR: 08/07/2014
Date Made Active in Reports: 09/30/2014
Number of Days to Update: 54

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/10/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/04/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014
Date Data Arrived at EDR: 11/21/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 38

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 12/04/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/20/2014
Date Data Arrived at EDR: 06/23/2014
Date Made Active in Reports: 07/11/2014
Number of Days to Update: 18
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 01/05/2015
Next Scheduled EDR Contact: 04/06/2015
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/21/2014
Date Data Arrived at EDR: 11/24/2014
Date Made Active in Reports: 12/30/2014
Number of Days to Update: 36
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 10/06/2014
Date Data Arrived at EDR: 10/10/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 40
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/15/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/15/2014
Date Data Arrived at EDR: 09/16/2014
Date Made Active in Reports: 10/22/2014
Number of Days to Update: 36
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/11/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 12/30/2014
Number of Days to Update: 34

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/25/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/10/2014
Date Data Arrived at EDR: 11/10/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 35

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 11/24/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 12/31/2014
Number of Days to Update: 36

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 09/16/2014
Date Data Arrived at EDR: 09/18/2014
Date Made Active in Reports: 10/22/2014
Number of Days to Update: 34

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/17/2014
Date Data Arrived at EDR: 11/24/2014
Date Made Active in Reports: 01/05/2015
Number of Days to Update: 42

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/11/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2014
Date Data Arrived at EDR: 06/26/2014
Date Made Active in Reports: 07/25/2014
Number of Days to Update: 29

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/11/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 10/02/2014
Date Made Active in Reports: 11/20/2014
Number of Days to Update: 49

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/01/2014
Date Data Arrived at EDR: 10/03/2014
Date Made Active in Reports: 11/20/2014
Number of Days to Update: 48

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 09/08/2014
Date Data Arrived at EDR: 09/09/2014
Date Made Active in Reports: 10/24/2014
Number of Days to Update: 45

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 12/05/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 10/28/2014
Date Data Arrived at EDR: 10/29/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 44

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 10/29/2014
Date Data Arrived at EDR: 11/24/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 35

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/05/2015
Next Scheduled EDR Contact: 04/20/2015
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2014
Date Data Arrived at EDR: 10/29/2014
Date Made Active in Reports: 12/12/2014
Number of Days to Update: 44

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/26/2014
Date Data Arrived at EDR: 09/17/2014
Date Made Active in Reports: 10/28/2014
Number of Days to Update: 41

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/15/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 09/30/2014
Date Made Active in Reports: 11/25/2014
Number of Days to Update: 56

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/18/2014
Next Scheduled EDR Contact: 04/06/2015
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 11/17/2014
Date Data Arrived at EDR: 11/18/2014
Date Made Active in Reports: 12/30/2014
Number of Days to Update: 42

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/12/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2014
Date Data Arrived at EDR: 11/05/2014
Date Made Active in Reports: 11/24/2014
Number of Days to Update: 19

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/13/2014
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 08/07/2014
Number of Days to Update: 48

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/12/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MANDALAY ENERGY CENTER PROJECT SITE
393 NORTH HARBOR BOULEVARD
OXNARD, CA 93035

TARGET PROPERTY COORDINATES

Latitude (North):	34.2068 - 34° 12' 24.48''
Longitude (West):	119.2506 - 119° 15' 2.16''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	292642.5
UTM Y (Meters):	3787181.0
Elevation:	10 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	34119-B3 OXNARD OE W, CA
Most Recent Revision:	0
East Map:	34119-B2 OXNARD, CA
Most Recent Revision:	1967

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

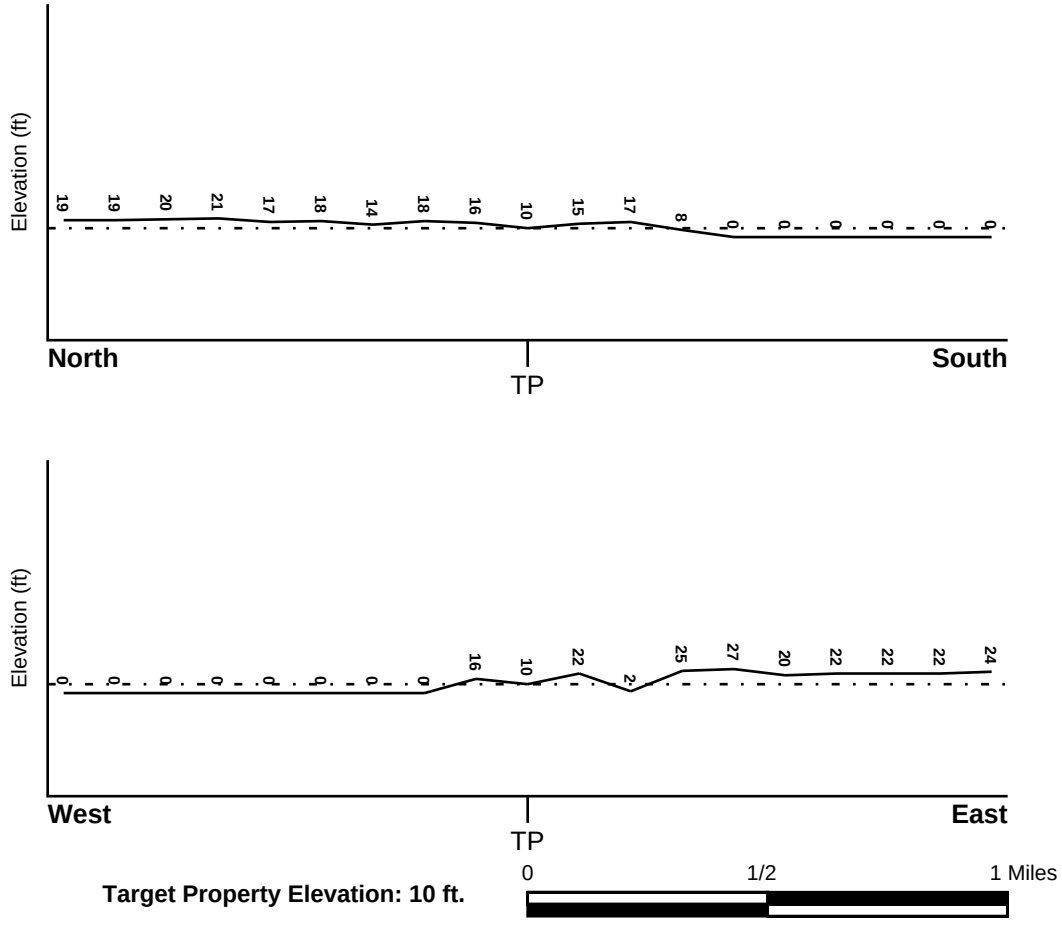
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 10 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
VENTURA, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06111C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
OXNARD	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile SE
Site Name:	J N J Sales & Serv
Site EPA ID Number:	CAD980636773
Groundwater Flow Direction:	SW, BUT VARIABLE IN THE SEMI-PERCHED AQUIFER BECAUSE OF TIDAL INFLUENCES, CANAL DRAINAGE, AND AGRICULTURAL WATER RETURN.
Inferred Depth to Water:	less than 75 feet in the semi-perched aquifer.
Hydraulic Connection:	A clay cap aquitard under the semi-perched aquifer allows vertical migration of ground water.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

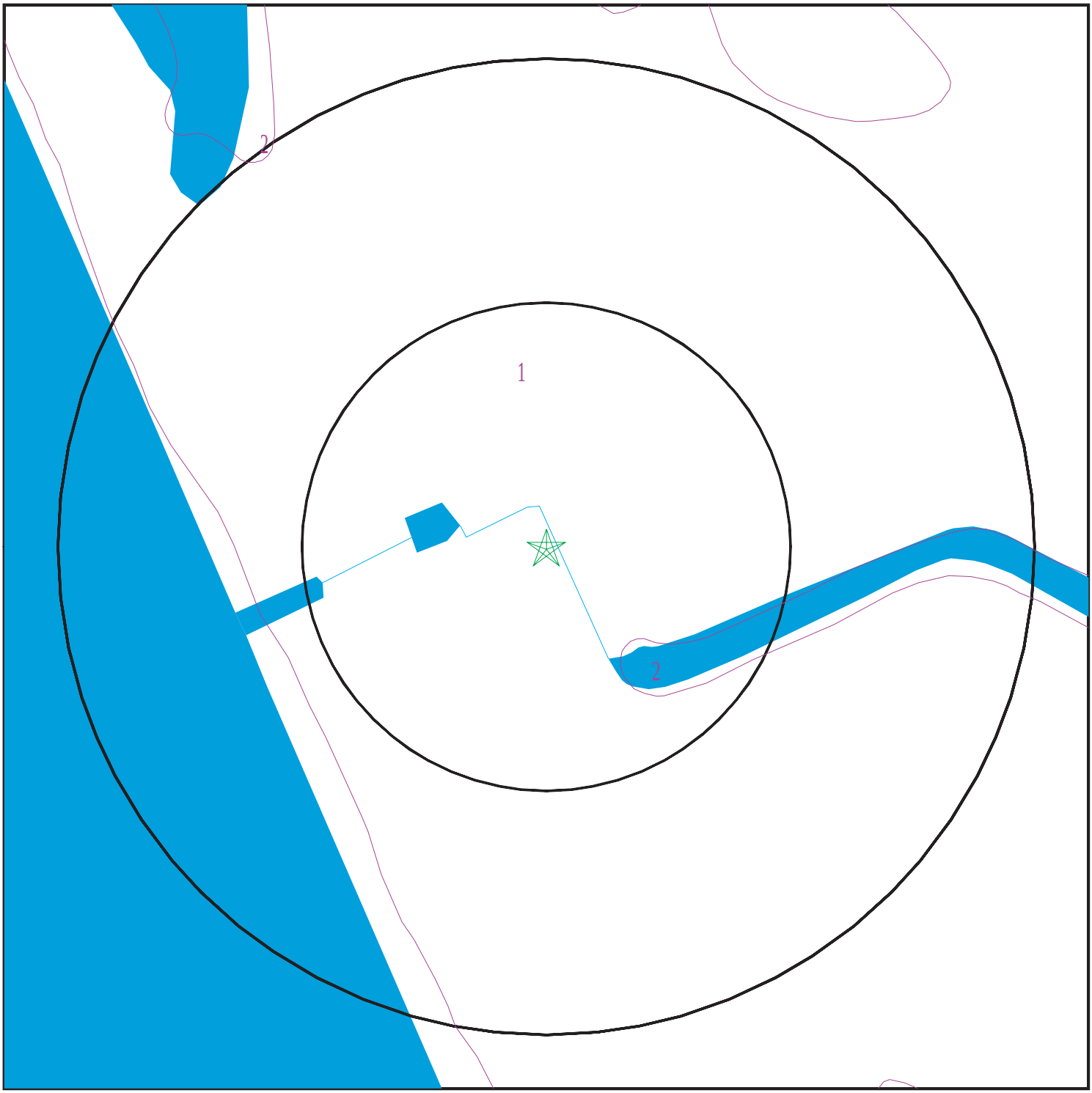
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4185537.2s



SITE NAME:	Mandalay Energy Center Project Site	CLIENT:	URS Corporation
ADDRESS:	393 North Harbor Boulevard Oxnard CA 93035	CONTACT:	Tricia Winterbauer
		INQUIRY #:	4185537.2s
LAT/LONG:	34.2068 / 119.2506	DATE:	January 19, 2015 7:30 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: COASTAL BEACHES

Soil Surface Texture: fine sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 92 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.1
2	5 inches	59 inches	coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.1

Soil Map ID: 2

Soil Component Name: Water

Soil Surface Texture: fine sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000142493	1/8 - 1/4 Mile SSE
A2	USGS40000142490	1/8 - 1/4 Mile SSE
A3	USGS40000142491	1/8 - 1/4 Mile SSE
A4	USGS40000142492	1/8 - 1/4 Mile SSE
B13	USGS40000142548	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A5	CADW50000005039	1/8 - 1/4 Mile South
A6	CADW50000005038	1/8 - 1/4 Mile South
A7	CADW50000005041	1/8 - 1/4 Mile South
A8	CADW50000005040	1/8 - 1/4 Mile South
9	CADW50000005085	1/4 - 1/2 Mile North
10	CADW50000005096	1/2 - 1 Mile NNW
11	CADW50000005020	1/2 - 1 Mile SE
B12	2326	1/2 - 1 Mile North
B14	CADW50000005105	1/2 - 1 Mile North

OTHER STATE DATABASE INFORMATION

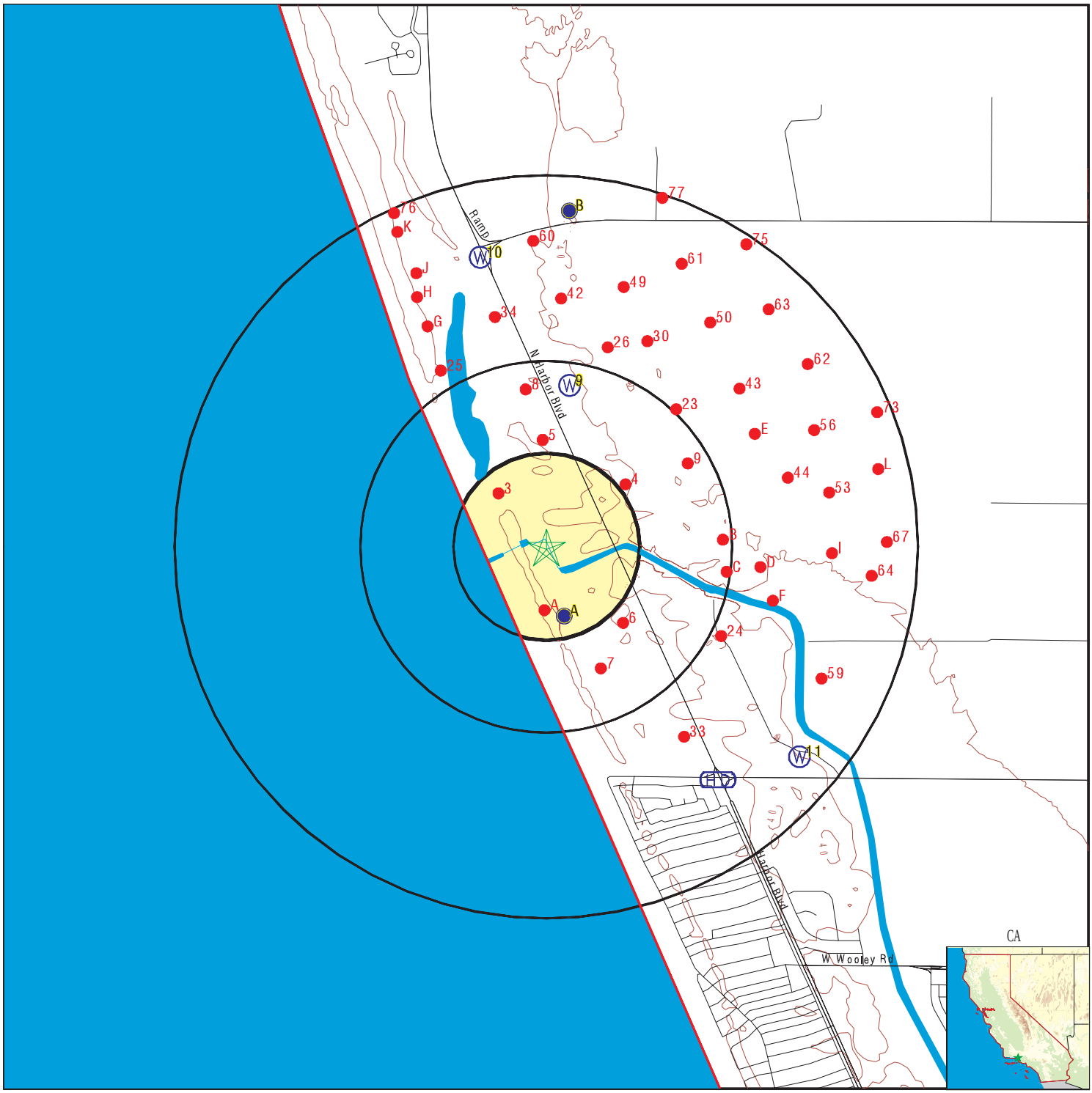
STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAOG9A000034388	1/8 - 1/4 Mile South
A2	CAOG9A000034378	1/8 - 1/4 Mile South
3	CAOG9A000034557	1/8 - 1/4 Mile NW
4	CAOG9A000034572	1/4 - 1/2 Mile NE
5	CAOG9A000034606	1/4 - 1/2 Mile North
6	CAOG9A000034361	1/4 - 1/2 Mile SE
7	CAOG9A000034262	1/4 - 1/2 Mile SSE
8	CAOG9A000034630	1/4 - 1/2 Mile North
9	CAOG9A000034595	1/4 - 1/2 Mile ENE
B11	CAOG9A000034487	1/4 - 1/2 Mile East
B10	CAOG9A000034486	1/4 - 1/2 Mile East
B12	CAOG9A000034427	1/4 - 1/2 Mile East
B13	CAOG9A000034446	1/4 - 1/2 Mile East
B14	CAOG9A000034448	1/4 - 1/2 Mile East
B15	CAOG9A000034471	1/4 - 1/2 Mile East
B16	CAOG9A000034503	1/4 - 1/2 Mile East
C17	CAOG9A000034413	1/4 - 1/2 Mile East
B18	CAOG9A000034493	1/4 - 1/2 Mile East
B19	CAOG9A000034494	1/4 - 1/2 Mile East
C20	CAOG9A000034410	1/4 - 1/2 Mile East
B21	CAOG9A000034477	1/4 - 1/2 Mile East
C22	CAOG9A000034417	1/2 - 1 Mile East
23	CAOG9A000034620	1/2 - 1 Mile NE
24	CAOG9A000034335	1/2 - 1 Mile ESE
25	CAOG9A000034636	1/2 - 1 Mile NNW
26	CAOG9A000034641	1/2 - 1 Mile NNE
D27	CAOG9A000034418	1/2 - 1 Mile East
D28	CAOG9A000034419	1/2 - 1 Mile East
E29	CAOG9A000034599	1/2 - 1 Mile ENE

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
30	CAOG9A000034643	1/2 - 1 Mile NNE
F31	CAOG9A000034392	1/2 - 1 Mile ESE
F32	CAOG9A000034404	1/2 - 1 Mile ESE
33	CAOG9A000034150	1/2 - 1 Mile SE
34	CAOG9A000034657	1/2 - 1 Mile NNW
G35	CAOG9A000034647	1/2 - 1 Mile NNW
E36	CAOG9A000034614	1/2 - 1 Mile ENE
G39	CAOG9A000034652	1/2 - 1 Mile NNW
G38	CAOG9A000034650	1/2 - 1 Mile NNW
G37	CAOG9A000034651	1/2 - 1 Mile NNW
G40	CAOG9A000034654	1/2 - 1 Mile NNW
G41	CAOG9A000034653	1/2 - 1 Mile NNW
42	CAOG9A000034662	1/2 - 1 Mile North
43	CAOG9A000034631	1/2 - 1 Mile NE
44	CAOG9A000034581	1/2 - 1 Mile ENE
G45	CAOG9A000034655	1/2 - 1 Mile NNW
G47	CAOG9A000034659	1/2 - 1 Mile NNW
G46	CAOG9A000034658	1/2 - 1 Mile NNW
H48	CAOG9A000034660	1/2 - 1 Mile NNW
49	CAOG9A000034670	1/2 - 1 Mile NNE
50	CAOG9A000034656	1/2 - 1 Mile NE
I51	CAOG9A000034467	1/2 - 1 Mile East
H52	CAOG9A000034664	1/2 - 1 Mile NNW
53	CAOG9A000034558	1/2 - 1 Mile East
H54	CAOG9A000034668	1/2 - 1 Mile NNW
I55	CAOG9A000034421	1/2 - 1 Mile East
56	CAOG9A000034609	1/2 - 1 Mile ENE
J57	CAOG9A000034672	1/2 - 1 Mile NNW
J58	CAOG9A000034673	1/2 - 1 Mile NNW
59	CAOG9A000034246	1/2 - 1 Mile ESE
60	CAOG9A000034684	1/2 - 1 Mile North
61	CAOG9A000034675	1/2 - 1 Mile NNE
62	CAOG9A000034639	1/2 - 1 Mile NE
63	CAOG9A000034661	1/2 - 1 Mile NE
64	CAOG9A000034411	1/2 - 1 Mile East
K65	CAOG9A000034681	1/2 - 1 Mile NNW
L66	CAOG9A000034592	1/2 - 1 Mile ENE
67	CAOG9A000034468	1/2 - 1 Mile East
L69	CAOG9A000034591	1/2 - 1 Mile ENE
L68	CAOG9A000034590	1/2 - 1 Mile ENE
K70	CAOG9A000034687	1/2 - 1 Mile NNW
K71	CAOG9A000034691	1/2 - 1 Mile NNW
K72	CAOG9A000034692	1/2 - 1 Mile NNW
73	CAOG9A000034618	1/2 - 1 Mile ENE
K74	CAOG9A000034694	1/2 - 1 Mile NNW
75	CAOG9A000034680	1/2 - 1 Mile NNE
76	CAOG9A000034695	1/2 - 1 Mile NNW
77	CAOG9A000034698	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 4185537.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Mandalay Energy Center Project Site	CLIENT:	URS Corporation
ADDRESS:	393 North Harbor Boulevard Oxnard CA 93035	CONTACT:	Tricia Winterbauer
		INQUIRY #:	4185537.2s
LAT/LONG:	34.2068 / 119.2506	DATE:	January 19, 2015 7:30 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
SSE **FED USGS** **USGS40000142493**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-341215119145504		
Monloc name:	001N023W01C005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.2041712
Longitude:	-119.2495543	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.0
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Unconfined single aquifer		
Construction date:	19891117	Welldepth:	145
Welldepth units:	ft	Wellholedepth:	1495
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 42

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-04-18	-0.28				
Note: The site was flowing, but the head could not be measured without additional equipment.					
1994-03-30	-0.30				
Note: The site was flowing, but the head could not be measured without additional equipment.					
1994-02-08	-1.85				
Note: The site was flowing, but the head could not be measured without additional equipment.					
1994-01-31	-0.23				
Note: The site was flowing, but the head could not be measured without additional equipment.					
1993-12-23	0.83		1993-11-08	2.44	
1993-08-17	1.96		1993-07-16	1.76	
1993-06-09	2.15		1993-04-06	2.33	
1993-02-05	2.54		1992-12-15	7.02	
1992-11-09	10.14		1992-09-23	11.08	
1992-08-18	10.21		1992-07-01	10.50	
1992-05-19	10.87		1992-04-08	10.40	
1992-02-27	12.00		1992-01-21	13.52	
1992-01-07	12.88		1991-11-18	16.85	
1991-11-12	14.98		1991-10-12	14.30	
1991-09-10	14.35		1991-03-24	13.77	
1991-03-05	15.45		1991-01-07	15.50	
1990-12-04	14.38		1990-10-17	15.68	
1990-10-05	14.75		1990-08-02	15.37	
1990-06-06	13.98		1990-05-23	13.83	
1990-05-05	13.47		1990-03-23	12.03	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1990-02-01	12.22		1990-01-25	12.02	
1990-01-12	11.13		1990-01-06	12.92	
1989-12-15	12.52		1989-11-29	11.50	

A2
SSE **FED USGS** **USGS40000142490**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-341215119145501		
Monloc name:	001N023W01C002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.2041712
Longitude:	-119.2495543	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.0
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19891117	Welldepth:	1490
Welldepth units:	ft	Wellholedepth:	1495
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 45

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-04-18	12.40		1994-03-30	13.07	
1994-02-08	15.1		1994-01-31	16.34	
1993-12-23	19.37		1993-11-08	20.14	
1993-08-17	19.88		1993-07-16	19.78	
1993-06-09	20.07		1993-04-06	23.91	
1993-02-05	31.44				
Note: The site had been pumped recently.					
1992-12-15	36.74		1992-11-09	39.40	
1992-09-23	37.70		1992-08-18	36.16	
1992-07-01	39.24		1992-05-19	42.34	
1992-04-08	47.46		1992-02-27	53.12	
1992-02-21	53.47		1992-01-21	56.30	
1992-01-07	55.20		1991-11-18	56.35	
1991-11-12	53.59		1991-10-11	51.81	
1991-09-10	50.35		1991-03-24	57.95	
1991-03-05	59.59		1991-01-07	60.37	
1990-12-04	58.43		1990-10-17	55.72	
1990-10-05	54.25		1990-08-02	51.17	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1990-06-06	48.36		1990-05-23	46.96	
1990-05-05	45.33		1990-04-04	44.58	
1990-03-23	43.28		1990-02-05	44.77	
1990-02-01	44.68		1990-01-25	45.23	
1990-01-12	43.45		1990-01-06	45.03	
1989-12-15	43.32		1989-11-29	41.75	

A3
SSE **FED USGS** **USGS40000142491**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-341215119145502		
Monloc name:	001N023W01C003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.2041712
Longitude:	-119.2495543	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.0
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Confined single aquifer		
Construction date:	19891117	Welldepth:	1065
Welldepth units:	ft	Wellholedepth:	1495
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 46

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-04-18	-1.03				
Note: The site was flowing, but the head could not be measured without additional equipment.					
1994-03-29	-1.18				
Note: The site was flowing, but the head could not be measured without additional equipment.					
1994-02-07	0.25		1994-01-31	1.03	
1993-12-23	3.83		1993-11-08	7.68	
1993-08-17	7.46		1993-07-16	7.20	
1993-06-09	8.86		1993-04-06	8.00	
1993-02-05	14.96		1992-12-15	22.38	
1992-11-09	26.10		1992-09-23	27.32	
1992-08-18	24.98		1992-07-01	26.14	
1992-05-19	27.74		1992-04-08	31.80	
1992-02-27	38.86		1992-01-21	41.86	
1992-01-07	41.63		1991-11-18	44.35	
1991-11-12	41.94		1991-10-11	41.18	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1991-09-10	39.95		1991-03-24	45.14	
1991-03-05	48.35		1991-02-07	48.70	
1991-01-07	49.70		1990-12-04	48.00	
1990-10-27	47.32		1990-10-17	47.28	
1990-10-05	42.07		1990-08-02	43.38	
1990-06-06	40.73		1990-05-23	39.67	
1990-05-05	37.93		1990-04-04	37.28	
1990-03-23	35.50		1990-02-05	36.46	
1990-02-01	36.43		1990-01-25	36.68	
1990-01-12	35.40		1990-01-06	37.57	
1989-12-15	36.32		1989-11-29	35.10	

A4
SSE **FED USGS** **USGS40000142492**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-341215119145503		
Monloc name:	001N023W01C004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.2041712
Longitude:	-119.2495543	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.0
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Confined single aquifer		
Construction date:	19891117	Welldepth:	695
Welldepth units:	ft	Wellholedepth:	1495
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 43

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-04-18	-4.07				
Note: The site was flowing, but the head could not be measured without additional equipment.					
1994-03-30	-4.11				
Note: The site was flowing, but the head could not be measured without additional equipment.					
1994-02-08	-0.05				
Note: The site was flowing, but the head could not be measured without additional equipment.					
1994-01-31	-4.27				
Note: The site was flowing, but the head could not be measured without additional equipment.					
1993-12-23	-2.33				
Note: The site was flowing, but the head could not be measured without additional equipment.					

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1993-11-08	1.92		1993-08-17	0.33	
1993-07-16	0.88		1993-06-09	0.76	
1993-04-06	0.80		1993-02-05	6.18	
1992-12-15	13.60		1992-11-09	19.20	
1992-09-23	22.96		1992-08-18	20.92	
1992-07-01	21.70		1992-05-19	22.03	
1992-04-08	24.40		1992-02-27	31.94	
1992-01-21	35.40		1992-01-07	35.31	
1991-11-18	39.85		1991-11-12	37.55	
1991-10-20	38.34		1991-10-12	37.76	
1991-10-11	37.57		1991-09-10	36.55	
1991-03-24	39.31		1991-03-05	43.48	
1991-01-07	44.88		1990-12-04	43.61	
1990-10-17	44.11		1990-10-05	42.04	
1990-08-02	41.15		1990-06-06	38.03	
1990-05-31	37.54		1990-05-05	35.78	
1990-03-23	32.72		1990-02-01	33.80	
1990-01-12	32.20		1990-01-06	33.70	
1989-12-15	44.00		1989-11-29	42.80	

A5
South
1/8 - 1/4 Mile
Higher

CA WELLS **CADW50000005039**

Latitude :	34.204028		
Longitude :	119.249958		
Site code:	342042N1192495W004	Casgem sta:	01N23W01C005S
Local well:	01N23W01C05S	Casgem s 1:	Observation
County id:	56		
Basin cd:	4-4.02	Basin desc:	Oxnard
Org unit n:	Southern Region Office	Site id:	CADW50000005039

A6
South
1/8 - 1/4 Mile
Higher

CA WELLS **CADW50000005038**

Latitude :	34.204028		
Longitude :	119.249958		
Site code:	342042N1192495W002	Casgem sta:	01N23W01C003S
Local well:	01N23W01C03S	Casgem s 1:	Observation
County id:	56		
Basin cd:	4-4.02	Basin desc:	Oxnard
Org unit n:	Southern Region Office	Site id:	CADW50000005038

A7
South
1/8 - 1/4 Mile
Higher

CA WELLS **CADW50000005041**

Latitude :	34.204028		
Longitude :	119.249958		
Site code:	342042N1192495W003	Casgem sta:	01N23W01C004S
Local well:	01N23W01C04S	Casgem s 1:	Observation
County id:	56		
Basin cd:	4-4.02	Basin desc:	Oxnard
Org unit n:	Southern Region Office	Site id:	CADW50000005041

A8
South
1/8 - 1/4 Mile
Higher

CA WELLS **CADW50000005040**

Latitude :	34.204028		
Longitude :	119.249958		
Site code:	342042N1192495W001	Casgem sta:	01N23W01C002S
Local well:	01N23W01C02S	Casgem s 1:	Observation
County id:	56		
Basin cd:	4-4.02	Basin desc:	Oxnard
Org unit n:	Southern Region Office	Site id:	CADW50000005040

9
North
1/4 - 1/2 Mile
Higher

CA WELLS **CADW50000005085**

Latitude :	34.2131		
Longitude :	119.2495		
Site code:	342131N1192495W001	Casgem sta:	02N23W36L001S
Local well:	Not Reported	Casgem s 1:	Unknown
County id:	56		
Basin cd:	4-4.02	Basin desc:	Oxnard
Org unit n:	Southern Region Office	Site id:	CADW50000005085

10
NNW
1/2 - 1 Mile
Higher

CA WELLS **CADW50000005096**

Latitude :	34.2181		
Longitude :	119.2537		
Site code:	342181N1192537W001	Casgem sta:	02N23W35H001S
Local well:	Not Reported	Casgem s 1:	Unknown
County id:	56		
Basin cd:	4-4.02	Basin desc:	Oxnard
Org unit n:	Southern Region Office	Site id:	CADW50000005096

11
SE
1/2 - 1 Mile
Higher

CA WELLS **CADW50000005020**

Latitude :	34.1986		
Longitude :	119.2387		
Site code:	341986N1192387W001	Casgem sta:	01N23W01H001S
Local well:	Not Reported	Casgem s 1:	Unknown
County id:	56		
Basin cd:	4-4.02	Basin desc:	Oxnard
Org unit n:	Southern Region Office	Site id:	CADW50000005020

B12
North
1/2 - 1 Mile
Higher

CA WELLS **2326**

Water System Information:

Prime Station Code:	02N/23W-36C04 S	User ID:	56C
FRDS Number:	5602126001	County:	Ventura
District Number:	86	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	341311.0 1191456.0	Precision:	100 Feet (one Second)
Source Name:	WELL 05		
System Number:	5602126		
System Name:	HUGO MCGRATH ESTATES		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

B13
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000142548**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-341312119145501		
Monloc name:	002N023W36C004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.2200044
Longitude:	-119.2495544	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
B14 **North** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADW50000005105**

Latitude :	34.220023		
Longitude :	119.249145		
Site code:	342200N1192491W001	Casgem sta:	02N23W36C004S
Local well:	02N23W36C04S	Casgem s 1:	Residential
County id:	56		
Basin cd:	4-4.02	Basin desc:	Oxnard
Org unit n:	Southern Region Office	Site id:	CADW50000005105

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A1
South
1/8 - 1/4 Mile

OIL_GAS **CAOG9A000034388**

Districtnu:	2	Apinumber:	11100786
Blmwell:	N	Redrillcan:	No
Dryhole:	Y	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	1		
Township:	01N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.204423		
Glong:	-119.250728		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath 4	Wellnumber:	1115
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034388

A2
South
1/8 - 1/4 Mile

OIL_GAS **CAOG9A000034378**

Districtnu:	2	Apinumber:	11100791
Blmwell:	N	Redrillcan:	No
Dryhole:	Y	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	1		
Township:	01N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.204229		
Glong:	-119.250638		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath 4	Wellnumber:	1217
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034378

3
NW
1/8 - 1/4 Mile

OIL_GAS **CAOG9A000034557**

Districtnu:	2	Apinumber:	11100790
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.208886		
Glong:	-119.252846		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 4	Wellnumber:	1215A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034557

4
NE **OIL_GAS** **CAOG9A000034572**
1/4 - 1/2 Mile

Districtnu:	2	Apinumber:	11100818
Blmwell:	N	Redrillcan:	02
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.209238		
Glong:	-119.246875		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	1015B
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	01-MAR-56
Welldeptha:	13360	Redrillfoo:	6047
Abandonedd:	/ /	Completion:	12/01/08
Gissymbol:	Not Reported	Site id:	CAOG9A000034572

5
North **OIL_GAS** **CAOG9A000034606**
1/4 - 1/2 Mile

Districtnu:	2	Apinumber:	11100785
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.210974		
Glong:	-119.250767		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 4	Wellnumber:	1114
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034606

6
SE **OIL_GAS** **CAOG9A000034361**
1/4 - 1/2 Mile

Districtnu:	2	Apinumber:	11100827
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	1		
Township:	01N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.20383		
Glong:	-119.24699		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	Patterson Ranch 1	Wellnumber:	1118
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034361

7
SSE **OIL_GAS** **CAOG9A000034262**
1/4 - 1/2 Mile

Districtnu:	2	Apinumber:	11100792
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	1		
Township:	01N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.202054		
Glong:	-119.248038		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 4	Wellnumber:	1218
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034262

8
North **OIL_GAS** **CAOG9A000034630**
1/4 - 1/2 Mile

Districtnu:	2	Apinumber:	11100784
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.212943		
Glong:	-119.251567		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath 4	Wellnumber:	1113 A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034630

9
ENE **OIL_GAS** **CAOG9A000034595**
1/4 - 1/2 Mile

Districtnu:	2	Apinumber:	11100811
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.210056		
Glong:	-119.243954		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	915
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	06-JUN-61
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034595

B11
East
1/4 - 1/2 Mile

OIL_GAS **CAOG9A000034487**

Districtnu:	2	Apinumber:	21122170
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	N
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	57KB
Locationde:	Not Reported		
Glat:	34.207305		
Glong:	-119.242441		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034487

B10
East
1/4 - 1/2 Mile

OIL_GAS **CAOG9A000034486**

Districtnu:	2	Apinumber:	21122170
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	N
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	57KB
Locationde:	Not Reported		
Glat:	34.207305		
Glong:	-119.242441		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034486

B12
East
1/4 - 1/2 Mile

OIL_GAS **CAOG9A000034427**

Districtnu:	2	Apinumber:	21122185
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	N
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	57KB
Locationde:	Not Reported		
Glat:	34.206234		
Glong:	-119.242429		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034427

B13
East
1/4 - 1/2 Mile

OIL_GAS **CAOG9A000034446**

Districtnu:	2	Apinumber:	11100822
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.20663		
Glong:	-119.242385		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	20-SEP-62
Welldeptha:	14065	Redrillfoo:	10032
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034446

B14
East
1/4 - 1/2 Mile

OIL_GAS **CAOG9A000034448**

Districtnu:	2	Apinumber:	11101235
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Holly Development Company		
Countyname:	Ventura	Fieldname:	Ojai
Areaname:	Oakview (ABD)		
Section:	27		
Township:	04N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.20664		
Glong:	-119.242371		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	Macrate	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	19-JUN-38
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034448

B15
East
1/4 - 1/2 Mile

OIL_GAS **CAOG9A000034471**

Districtnu:	2	Apinumber:	21122183
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	N
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	57KB
Locationde:	Not Reported		
Glat:	34.207045		
Glong:	-119.242333		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034471

B16
East
1/4 - 1/2 Mile

OIL_GAS **CAOG9A000034503**

Districtnu:	2	Apinumber:	11100823
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.207619		
Glong:	-119.242343		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	Patterson Ranch 1	Wellnumber:	1017A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	16-DEC-60
Welldeptha:	Not Reported	Redrillfoo:	3700
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034503

C17
East
1/4 - 1/2 Mile

OIL_GAS **CAOG9A000034413**

Districtnu:	2	Apinumber:	21122186
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	N
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	1		
Township:	01N	Range:	23W
Basemeridi:	SB	Elevation:	57KB
Locationde:	Not Reported		
Glat:	34.205933		
Glong:	-119.242301		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034413

B18
East
1/4 - 1/2 Mile

OIL_GAS **CAOG9A000034493**

Districtnu:	2	Apinumber:	21122117
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	48KB
Locationde:	Not Reported		
Glat:	34.207449		
Glong:	-119.242156		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	1121
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	21-JUN-12
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034493

B19
East
1/4 - 1/2 Mile

OIL_GAS **CAOG9A000034494**

Districtnu:	2	Apinumber:	21122117
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	48KB
Locationde:	Not Reported		
Glat:	34.207449		
Glong:	-119.242156		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	1121
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	21-JUN-12
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034494

C20
East
1/4 - 1/2 Mile

OIL_GAS **CAOG9A000034410**

Districtnu:	2	Apinumber:	11100826
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	1		
Township:	01N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.205534		
Glong:	-119.242252		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Patterson Ranch 1	Wellnumber:	1016
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034410

B21
East
1/4 - 1/2 Mile

OIL_GAS **CAOG9A000034477**

Districtnu:	2	Apinumber:	21122184
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	N
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	57KB
Locationde:	Not Reported		
Glat:	34.207114		
Glong:	-119.241975		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034477

C22
East
1/2 - 1 Mile

OIL_GAS **CAOG9A000034417**

Districtnu:	2	Apinumber:	21121316
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	FR RANCHO COR 11227S 381E		
Glat:	34.206009		
Glong:	-119.241828		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034417

23
NE
1/2 - 1 Mile

OIL_GAS **CAOG9A000034620**

Districtnu:	2	Apinumber:	11100810
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.212166		
Glong:	-119.244499		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	914A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	24-MAY-55
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034620

24
ESE **OIL_GAS** **CAOG9A000034335**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100824
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	1		
Township:	01N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.203317		
Glong:	-119.242386		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Patterson Ranch 1	Wellnumber:	1018
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	19-JAN-57
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034335

25
NNW **OIL_GAS** **CAOG9A000034636**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100789
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.213677		
Glong:	-119.255553		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 4	Wellnumber:	1214A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	13-FEB-55
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034636

26
NNE **OIL_GAS** **CAOG9A000034641**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100817
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.214585		
Glong:	-119.247712		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	1013
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034641

D27
East **OIL_GAS** **CAOG9A000034418**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100813
Blmwell:	N	Redrillcan:	01
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.206009		
Glong:	-119.240543		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	Patterson Ranch 1	Wellnumber:	917
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	03-SEP-58
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034418

D28
East **OIL_GAS** **CAOG9A000034419**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100813
Blmwell:	N	Redrillcan:	01
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.206009		
Glong:	-119.240543		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	Patterson Ranch 1	Wellnumber:	917
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	03-SEP-58
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	12/31/09
Gissymbol:	Not Reported	Site id:	CAOG9A000034419

E29
ENE **OIL_GAS** **CAOG9A000034599**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100805
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.210699		
Glong:	-119.241004		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	815
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034599

30
NNE **OIL_GAS** **CAOG9A000034643**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100809
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.214826		
Glong:	-119.24585		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	913
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	03-DEC-60
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034643

F31
ESE **OIL_GAS** **CAOG9A000034392**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11120797
Blmwell:	N	Redrillcan:	No
Dryhole:	Y	Wellstatus:	P
Operatorna:	Hilliard Oil & Gas, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	1		
Township:	01N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.204548		
Glong:	-119.240015		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Chevron P.R. 1	Wellnumber:	920
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034392

F32
ESE **OIL_GAS** **CAOG9A000034404**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100825
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	1		
Township:	01N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.204839		
Glong:	-119.239892		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Patterson Ranch 1	Wellnumber:	1019
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034404

33
SE **OIL_GAS** **CAOG9A000034150**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100828
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	1		
Township:	01N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.199384		
Glong:	-119.244125		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Patterson Ranch 1	Wellnumber:	1119 A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034150

34
NNW
1/2 - 1 Mile

OIL_GAS **CAOG9A000034657**

Districtnu:	2	Apinumber:	11100783
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.215771		
Glong:	-119.253012		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 4	Wellnumber:	1112
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034657

G35
NNW
1/2 - 1 Mile

OIL_GAS **CAOG9A000034647**

Districtnu:	2	Apinumber:	11100788
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.215007		
Glong:	-119.255789		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 4	Wellnumber:	1212
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	15-DEC-56
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034647

E36
ENE **OIL_GAS** **CAOG9A000034614**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100733
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.21172		
Glong:	-119.240604		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Oxnard Core Hole	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034614

G39
NNW **OIL_GAS** **CAOG9A000034652**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	21100840
Blmwell:	N	Redrillcan:	02
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.2153		
Glong:	-119.256164		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	C-3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	17-JUN-54
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034652

G38
NNW **OIL_GAS** **CAOG9A000034650**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	21100840
Blmwell:	N	Redrillcan:	02
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.2153		
Glong:	-119.256164		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	C-3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	17-JUN-54
Welldeptha:	13178	Redrillfoo:	836
Abandonedd:	/ /	Completion:	05/13/93
Gissymbol:	Not Reported	Site id:	CAOG9A000034650

G37
NNW **OIL_GAS** **CAOG9A000034651**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	21100840
Blmwell:	N	Redrillcan:	02
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.2153		
Glong:	-119.256164		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	C-3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	17-JUN-54
Welldeptha:	13261	Redrillfoo:	0
Abandonedd:	/ /	Completion:	08/13/97
Gissymbol:	Not Reported	Site id:	CAOG9A000034651

G40
NNW **OIL_GAS** **CAOG9A000034654**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	21100840
Blmwell:	N	Redrillcan:	02
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.2153		
Glong:	-119.256164		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	C-3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	17-JUN-54
Welldeptha:	14487	Redrillfoo:	13137
Abandonedd:	/ /	Completion:	02/01/12
Gissymbol:	Not Reported	Site id:	CAOG9A000034654

G41
NNW **OIL_GAS** **CAOG9A000034653**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	21100840
Blmwell:	N	Redrillcan:	02
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.2153		
Glong:	-119.256164		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	C-3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	17-JUN-54
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034653

42
North **OIL_GAS** **CAOG9A000034662**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100816
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.216489		
Glong:	-119.249901		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	1012
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034662

43
NE **OIL_GAS** **CAOG9A000034631**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100804
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.212976		
Glong:	-119.241521		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	814
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	08-MAY-62
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034631

44
ENE **OIL_GAS** **CAOG9A000034581**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100812
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.209497		
Glong:	-119.239253		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	916
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034581

G45
NNW **OIL_GAS** **CAOG9A000034655**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	21100848
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.215481		
Glong:	-119.256238		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	F-2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	21-NOV-56
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034655

G47
NNW
1/2 - 1 Mile

OIL_GAS **CAOG9A000034659**

Districtnu:	2	Apinumber:	21100846
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.215825		
Glong:	-119.256368		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	E-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	02-JAN-56
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034659

G46
NNW
1/2 - 1 Mile

OIL_GAS **CAOG9A000034658**

Districtnu:	2	Apinumber:	21100846
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.215825		
Glong:	-119.256368		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	E-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	02-JAN-56
Welldeptha:	13900	Redrillfoo:	12510
Abandonedd:	/ /	Completion:	09/01/11
Gissymbol:	Not Reported	Site id:	CAOG9A000034658

H48
NNW
1/2 - 1 Mile

OIL_GAS **CAOG9A000034660**

Districtnu:	2	Apinumber:	21100844
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.216014		
Glong:	-119.256436		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State	Wellnumber:	D-3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034660

49
NNE
1/2 - 1 Mile

OIL_GAS **CAOG9A000034670**

Districtnu:	2	Apinumber:	11100808
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.216941		
Glong:	-119.246962		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	912
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034670

50
NE
1/2 - 1 Mile

OIL_GAS **CAOG9A000034656**

Districtnu:	2	Apinumber:	11100803
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.215556		
Glong:	-119.242897		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	813
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	22-OCT-57
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034656

I51
East
1/2 - 1 Mile

OIL_GAS **CAOG9A000034467**

Districtnu:	2	Apinumber:	11100814
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.20697		
Glong:	-119.23733		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	Patterson Ranch 1	Wellnumber:	918A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034467

H52
NNW **OIL_GAS** **CAOG9A000034664**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	21100842
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.216774		
Glong:	-119.256815		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	State	Wellnumber:	D-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034664

53
East **OIL_GAS** **CAOG9A000034558**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100806
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.208916		
Glong:	-119.237307		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	816
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034558

H54
NNW
1/2 - 1 Mile

OIL_GAS **CAOG9A000034668**

Districtnu:	2	Apinumber:	21100845
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.216851		
Glong:	-119.256753		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	D-4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	31-JAN-55
Welldeptha:	15299	Redrillfoo:	13851
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034668

I55
East
1/2 - 1 Mile

OIL_GAS **CAOG9A000034421**

Districtnu:	2	Apinumber:	11100820
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.206127		
Glong:	-119.237023		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Patterson Ranch 1	Wellnumber:	918
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	04-APR-60
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034421

56
ENE **OIL_GAS** **CAOG9A000034609**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100801
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.211354		
Glong:	-119.238017		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	715
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	12-FEB-60
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034609

J57
NNW **OIL_GAS** **CAOG9A000034672**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100793
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.217443		
Glong:	-119.256595		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 4	Wellnumber:	1311
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034672

J58
NNW **OIL_GAS** **CAOG9A000034673**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100782
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.217518		
Glong:	-119.256813		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 4	Wellnumber:	1111
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034673

59
ESE **OIL_GAS** **CAOG9A000034246**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100821
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	1		
Township:	01N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.201656		
Glong:	-119.237671		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Patterson Ranch 1	Wellnumber:	919
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	28-JUL-57
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034246

60
North
1/2 - 1 Mile

OIL_GAS **CAOG9A000034684**

Districtnu:	2	Apinumber:	11100815
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.21874		
Glong:	-119.251211		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	1011A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	10-FEB-57
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034684

61
NNE
1/2 - 1 Mile

OIL_GAS **CAOG9A000034675**

Districtnu:	2	Apinumber:	11100802
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.217847		
Glong:	-119.244238		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	812
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	26-FEB-55
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034675

62
NE
1/2 - 1 Mile

OIL_GAS **CAOG9A000034639**

Districtnu:	2	Apinumber:	11100800
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.213932		
Glong:	-119.238318		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	714
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034639

63
NE
1/2 - 1 Mile

OIL_GAS **CAOG9A000034661**

Districtnu:	2	Apinumber:	11100799
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.216067		
Glong:	-119.240152		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	713
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034661

64
East
1/2 - 1 Mile

OIL_GAS **CAOG9A000034411**

Districtnu:	2	Apinumber:	11105501
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	6		
Township:	01N	Range:	22W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.205666		
Glong:	-119.235316		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Patterson Ranch 1	Wellnumber:	717A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034411

K65
NNW
1/2 - 1 Mile

OIL_GAS **CAOG9A000034681**

Districtnu:	2	Apinumber:	21100839
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.218634		
Glong:	-119.257426		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	C-2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	24-DEC-57
Welldeptha:	14900	Redrillfoo:	13575
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034681

L66
ENE **OIL_GAS** **CAOG9A000034592**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100797
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	B
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	31		
Township:	02N	Range:	22W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.209839		
Glong:	-119.235045		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	616
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	24-AUG-61
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034592

67
East **OIL_GAS** **CAOG9A000034468**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100750
Blmwell:	N	Redrillcan:	No
Dryhole:	Y	Wellstatus:	P
Operatorna:	Shell Oil Company		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	31		
Township:	02N	Range:	22W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.206986		
Glong:	-119.2346		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath	Wellnumber:	4-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034468

L69
ENE **OIL_GAS** **CAOG9A000034591**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11122092
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	31		
Township:	02N	Range:	22W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.209831		
Glong:	-119.234993		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	616-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	28-MAY-11
Welldeptha:	13960	Redrillfoo:	13960
Abandonedd:	/ /	Completion:	07/29/11
Gissymbol:	Not Reported	Site id:	CAOG9A000034591

L68
ENE **OIL_GAS** **CAOG9A000034590**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11122092
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	31		
Township:	02N	Range:	22W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.209831		
Glong:	-119.234993		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	616-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	28-MAY-11
Welldeptha:	13960	Redrillfoo:	13960
Abandonedd:	/ /	Completion:	07/05/11
Gissymbol:	Not Reported	Site id:	CAOG9A000034590

K70
NNW
1/2 - 1 Mile

OIL_GAS **CAOG9A000034687**

Districtnu:	2	Apinumber:	21100841
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.2189		
Glong:	-119.257521		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State	Wellnumber:	C-5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034687

K71
NNW
1/2 - 1 Mile

OIL_GAS **CAOG9A000034691**

Districtnu:	2	Apinumber:	21100847
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.219208		
Glong:	-119.257641		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	E-3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	04-DEC-54
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034691

K72
NNW **OIL_GAS** **CAOG9A000034692**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	21100843
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.219264		
Glong:	-119.257652		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State	Wellnumber:	D-2B
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034692

73
ENE **OIL_GAS** **CAOG9A000034618**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100796
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	31		
Township:	02N	Range:	22W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.212056		
Glong:	-119.235058		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	615
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034618

K74
NNW **OIL_GAS** **CAOG9A000034694**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	21100838
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	VENTURA OFFSHORE	Fieldname:	Montalvo, West
Areaname:	Offshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.219453		
Glong:	-119.257725		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	C-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	17-JAN-53
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034694

75
NNE **OIL_GAS** **CAOG9A000034680**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100798
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	P
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.21861		
Glong:	-119.241202		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	McGrath 5	Wellnumber:	712
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034680

76
NNW **OIL_GAS** **CAOG9A000034695**
1/2 - 1 Mile

Districtnu:	2	Apinumber:	11100787
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	I
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	35		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.219827		
Glong:	-119.257749		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	State PRC 3314	Wellnumber:	1210
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	14-OCT-60
Welldeptha:	15397	Redrillfoo:	14067
Abandonedd:	/ /	Completion:	12/31/11
Gissymbol:	Not Reported	Site id:	CAOG9A000034695

77
NNE **OIL_GAS** **CAOG9A000034698**
1/2 - 1 Mile

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	2	Apinumber:	11100781
Blmwell:	N	Redrillcan:	No
Dryhole:	N	Wellstatus:	A
Operatorna:	Venoco, Inc.		
Countyname:	Ventura	Fieldname:	Montalvo, West
Areaname:	Onshore		
Section:	36		
Township:	02N	Range:	23W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.220422		
Glong:	-119.245148		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	McGrath 4	Wellnumber:	811
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	07-AUG-57
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	Not Reported	Site id:	CAOG9A000034698

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93035	23	0

Federal EPA Radon Zone for VENTURA County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 93035

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.000 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Mandalay Energy Center Project Site
393 North Harbor Boulevard
Oxnard, CA 93035

Inquiry Number: 4185537.9s
March 4, 2015

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

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www.edrnet.com

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Aerial Photography	**4**
Map Findings	**5**
Record Sources and Currency	**GR-1**

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600-10).

STANDARD ENVIRONMENTAL RECORDS	Maximum Search Distance*	Summary: property	1/10	1/10 - 1/3
Federal NPL	0.333	0	0	0
Federal CERCLIS	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	0	0
Federal RCRA TSD facilities list	0.333	1	0	0
Federal RCRA generators list	property	2	-	-
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	3	-	-
State and tribal - equivalent NPL	0.333	0	0	0
State and tribal - equivalent CERCLIS	0.333	0	0	0
State and tribal landfill / solid waste disposal	0.333	0	0	0
State and tribal leaking storage tank lists	0.333	0	4	0
State and tribal registered storage tank lists	property	5	-	-
State and tribal institutional control / engineering control registries	not searched	-	-	-
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfields sites	not searched	-	-	-
Other Standard Environmental Records	0.333	13	1	0

HISTORICAL USE RECORDS				
Former manufactured Gas Plants	0.333	0	0	0
Historical Gas Stations	0.25	1	0	0
Historical Dry Cleaners	0.25	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied. See the section 'Record Sources and Currency' for information on individual databases.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

MANDALAY ENERGY CENTER PROJECT SITE
393 NORTH HARBOR BOULEVARD
OXNARD, CA 93035

COORDINATES

Latitude (North):	34.2068 - 34° 12′ 24.474792″
Longitude (West):	119.2506 - 119° 15′ 2.1697998″
Elevation:	10 ft. above sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

Site	Database(s)
MANDALAY GENERATING STATION 393 HARBOR BLVD OXNARD, CA 93030	HIST UST
MANDALAY GENERATING STATION 393 N. HARBOR BLVD. OXNARD, CA 93035	RMP
MANDALAY GENERATING STATION 393 N. HARBOR BLVD OXNARD, CA 93035	RMP
MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN 393 NORTH HARBOR BOULEVARD OXNARD, CA 93035	ENF HIST UST NPDES
IN FRONT OF THE MANDALAY GENERATING STATION, 393 N. HARBOR B IN FRONT OF THE MANDALAY GENERATING STATION, 393 N. HARBOR B OXNARD, CA 91773	CHMIRS Date Completed:
393 N HARBOR BLVD BWTN VENTURA HARBOR & 393 N HARBOR BLVD BWTN VENTURA HARBOR & OXNARD, CA	ERNS
EDISON CANAL MAINT. DREDGING 393 N HARBOR BLVD OXNARD, CA 93055	WDS
MANDALAY POWER GENERATION 393 NORTH HARBOR BLVD OXNARD, CA 93030	Toxic Pits Closure Date: / / EMI CHMIRS Date Completed:
SOUTHERN CALIF EDISON 393 N HARBOR BLVD OXNARD, CA 93030	SWEEPS UST CA FID UST

EXECUTIVE SUMMARY

Site	Database(s)
SOUTHERN CALIFORNIA EDISON 393 HARBOR BLVD OXNARD, CA	UST
SOUTHERN CALIFORNIA EDISON - MANDALAY 220 KV SWITCH YARD 393 N HARBOR BLVD S/OF GONZALES RD OXNARD, CA 93036	FINDS
MANDALAY GENERATING STA 393 N HARBOUR DR MANDALAY GENERATING STA 393 N HARBOUR DR OXNARD, CA	ERNS
393 HARBOR BLVD 393 HARBOR BLVD OXNARD, CA	CHMIRS Date Completed:
GENON MANDALAY 393 NO. HARBOR BLVD OXNARD, CA 93035	FINDS
MANDALAY GENERATING STATION L L C 393 N HARBOR BLVD SEE MAP OXNARD, CA 930350000	HAZNET
MANDALAY GENERATING STATION 393 NORTH HARBOR BOULEVARD OXNARD, CA 93035	RCRA-LQG FINDS
MANDALAY GENERATING STATION 393 N. HARBOR BLVD. OXNARD, CA 93030	US AIRS RCRA-TSDF RCRA-SQG US FIN ASSUR WDS AST
393 NORTH HARBOR BLVD 393 NORTH HARBOR BLVD OXNARD, CA 93035	ERNS
393 HARBOR BLVD 393 HARBOR BLVD OXNARD, CA 93035	EDR US Hist Auto Stat
SOUTHERN CALIFORNIA EDISON INC 393 HARBOR BLVD OXNARD, CA 930351108	HAZNET

EXECUTIVE SUMMARY

PHYSICAL SETTING INFORMATION

Flood Zone:	Available
NWI Wetlands:	Available

AQUIFLOW®

Search Radius: 0.333 Mile.

No Aquiflow sites reported.

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name:	COASTAL BEACHES
Soil Surface Texture:	fine sand
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Poorly drained
Hydric Status:	All hydric
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 92 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.1

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	5 inches	59 inches	coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.1

Soil Map ID: 2

Soil Component Name: Water

Soil Surface Texture: fine sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: HUENEME

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 107 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.4
2	16 inches	64 inches	stratified sand to silt loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.4

Soil Map ID: 4

Soil Component Name: CAMARILLO

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 107 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	24 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	24 inches	40 inches	stratified sandy loam to silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	40 inches	79 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9

Soil Map ID: 5

Soil Component Name: SORRENTO

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 6.1
2	18 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 6.6

Soil Map ID: 6

Soil Component Name: CAMARILLO

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 107 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	24 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	24 inches	50 inches	stratified sandy loam to sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	50 inches	79 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
MANDALAY GENERATING STATION HIST UST: State and tribal registered storage tank lists	393 HARBOR BLVD	Property	▲ A1	16
MANDALAY GENERATING STATION RMP: Other Standard Environmental Records	393 N. HARBOR BLVD.	Property	▲ A2	18
MANDALAY GENERATING STATION RMP: Other Standard Environmental Records	393 N. HARBOR BLVD	Property	▲ A3	39
MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN ENF: Other Standard Environmental Records HIST UST: State and tribal registered storage tank lists NPDES: Other Standard Environmental Records	393 NORTH HARBOR BOULEVARD	Property	▲ A4	47
IN FRONT OF THE MANDALAY GENERATING STATION, 393 N. HARBOR B CHMIRS: Other Standard Environmental Records	IN FRONT OF THE MANDALAY GENERATING STATION, 393 N. HARBOR B	Property	▲ A5	61
393 N HARBOR BLVD BWTN VENTURA HARBOR & ERNS: Federal ERNS list	393 N HARBOR BLVD BWTN VENTURA HARBOR &	Property	▲ A6	63
EDISON CANAL MAINT. DREDGING WDS: Other Standard Environmental Records	393 N HARBOR BLVD	Property	▲ A7	64
MANDALAY POWER GENERATION Toxic Pits: Other Standard Environmental Records EMI: Other Standard Environmental Records CHMIRS: Other Standard Environmental Records	393 NORTH HARBOR BLVD	Property	▲ A8	65
SOUTHERN CALIF EDISON SWEEPS UST: State and tribal registered storage tank lists CA FID UST: State and tribal registered storage tank lists	393 N HARBOR BLVD	Property	▲ A9	75
SOUTHERN CALIFORNIA EDISON UST: State and tribal registered storage tank lists	393 HARBOR BLVD	Property	▲ A10	77
SOUTHERN CALIFORNIA EDISON - MANDALAY 220 KV SWITCH YARD FINDS: Other Standard Environmental Records	393 N HARBOR BLVD S/OF GONZALES RD	Property	▲ A11	78
MANDALAY GENERATING STA 393 N HARBOUR DR ERNS: Federal ERNS list	MANDALAY GENERATING STA 393 N HARBOUR DR	Property	▲ A12	79

EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
393 HARBOR BLVD CHMIRS: Other Standard Environmental Records	393 HARBOR BLVD	Property	▲ A13	80
GENON MANDALAY FINDS: Other Standard Environmental Records	393 NO. HARBOR BLVD	Property	▲ A14	82
MANDALAY GENERATING STATION L L C HAZNET: Other Standard Environmental Records	393 N HARBOR BLVD SEE MAP	Property	▲ A15	83
MANDALAY GENERATING STATION RCRA-LQG: Federal RCRA generators list FINDS: Other Standard Environmental Records	393 NORTH HARBOR BOULEVARD	Property	▲ A16	85
MANDALAY GENERATING STATION US AIRS: Other Standard Environmental Records RCRA-TSDF: Federal RCRA TSD facilities list RCRA-SQG: Federal RCRA generators list US FIN ASSUR: Other Standard Environmental Records WDS: Other Standard Environmental Records AST: State and tribal registered storage tank lists	393 N. HARBOR BLVD.	Property	▲ A17	98
393 NORTH HARBOR BLVD ERNS: Federal ERNS list	393 NORTH HARBOR BLVD	Property	▲ A18	114
SOUTHERN CALIFORNIA EDISON INC HAZNET: Other Standard Environmental Records	393 HARBOR BLVD	Property	▲ A20	119
UNOCAL - MANDALAY FACILITY SLIC: State and tribal leaking storage tank lists	201 HARBOR	<1/10 ESE	▲ 21	120
OXNARD DUNES SUBDIVISION SLIC: State and tribal leaking storage tank lists	HARBOR BLVD	<1/10 ENE	▲ 22	121
SCE - MANDALAY GENERATING STATION AST FARM SLIC: State and tribal leaking storage tank lists	303 HARBOR	<1/10 NNE	▲ B23	122
NORTH SHORE MANDALAY BAY SLIC: State and tribal leaking storage tank lists	500 W. HARBOR BLVD	<1/10 NNE	▲ B24	123
EPTC-MANDALAY HWP: Other Standard Environmental Records CHMIRS: Other Standard Environmental Records	373 N HARBOR BLVD	<1/10 NNE	▲ B25	124

HISTORICAL USE RECORDS

Name	Address	Dist/Dir	Map ID	Page
393 HARBOR BLVD EDR US Hist Auto Stat: Historical Gas Stations	393 HARBOR BLVD	Property	▲ A19	118

PRIMARY MAP - 4185537.9S

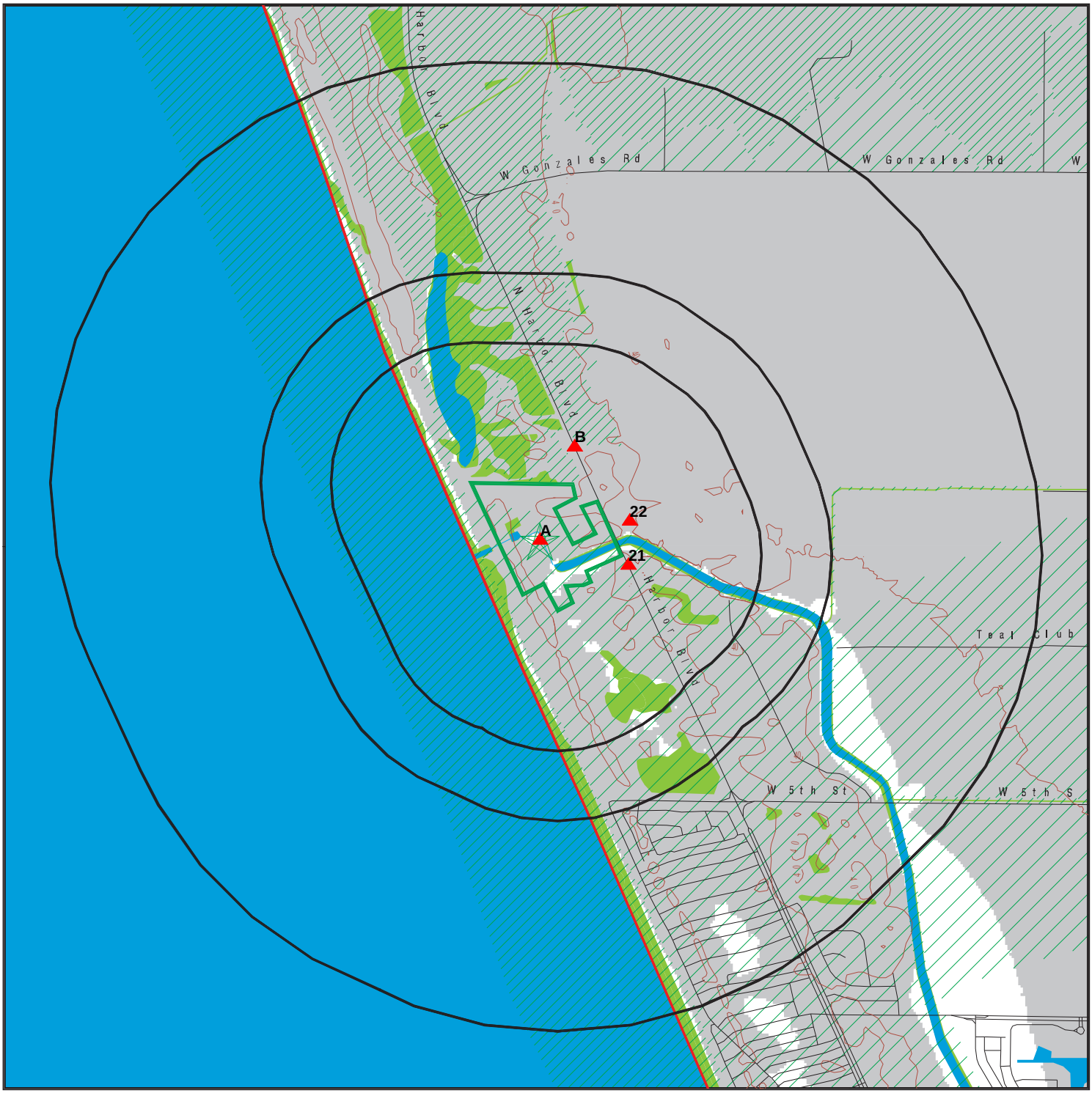


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- SSURGO Soil
- Areas of Concern

SITE NAME:	Mandalay Energy Center Project Site	CLIENT:	URS Corporation
ADDRESS:	393 North Harbor Boulevard Oxnard CA 93035	CONTACT:	Tricia Winterbauer
LAT/LONG:	34.2068 / 119.2506	INQUIRY #:	4185537.9s
		DATE:	January 19, 2015 8:02 pm

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SECONDARY MAP - 4185537.9S



Target Property
Sites at elevations higher than or equal to the target property
Sites at elevations lower than the target property
Manufactured Gas Plants
National Priority List Sites
Dept. Defense Sites

0 300 1/3 1 Miles

Indian Reservations BIA
Contour Lines
County Boundary
Oil & Gas pipelines from USGS
100-year flood zone
500-year flood zone
National Wetland Inventory

Upgradient Area
Areas of Concern

N

SITE NAME:	Mandalay Energy Center Project Site	CLIENT:	URS Corporation
ADDRESS:	393 North Harbor Boulevard Oxnard CA 93035	CONTACT:	Tricia Winterbauer
LAT/LONG:	34.2068 / 119.2506	INQUIRY #:	4185537.9s
		DATE:	January 19, 2015 8:01 pm

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AERIAL PHOTOGRAPHY - 4185537.9s



SITE NAME:	Mandalay Energy Center Project Site	CLIENT:	URS Corporation
ADDRESS:	393 North Harbor Boulevard Oxnard CA 93035	CONTACT:	Tricia Winterbauer
		INQUIRY #:	4185537.9s
LAT/LONG:	34.2068 / 119.2506	DATE:	January 19, 2015 8:03 pm

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LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
▼ MAP ID#	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

MANDALAY GENERATING STATION 393 HARBOR BLVD, OXNARD, CA, 93030		U001579792
▲ A1	Target Property 10 ft. Above Sea Level	State and tribal registered storage tank lists

Worksheet:

Impact on Target Property: VEC Exists

HIST UST: State and tribal registered storage tank lists

Region:	STATE
Facility ID:	00000066308
Facility Type:	Other
Other Type:	ELECTRIC UTILITY
Contact Name:	J. L. SOCIA
Telephone:	8059845515
Owner Name:	SOUTHERN CALIFORNIA EDISON COM
Owner Address:	224 WALNUT GROVE AVENUE
Owner City,St,Zip:	ROSEMEAD, CA 91770
Total Tanks:	0002
Tank Num:	001
Container Num:	522
Year Installed:	Not Reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not Reported
Container Construction Thickness:	X
Leak Detection:	None
Tank Num:	002
Container Num:	523
Year Installed:	Not Reported

MANDALAY GENERATING STATION, 393 HARBOR BLVD, OXNARD, CA 93030 (Continued)

Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not Reported
Container Construction Thickness:	Not Reported
Leak Detection:	None

MANDALAY GENERATING STATION 393 N. HARBOR BLVD., OXNARD, CA, 93035		1011830663
▲ A2	Target Property 10 ft. Above Sea Level	Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

Risk Management Plan (RMP) Facility Details: Other Standard Environmental Records

Facility ID:	54639
LEPC city:	California Region 1 LEPC
Facility decimal latitude:	34.207222
Facility decimal longitude:	-119.251111
Is facility in county box:	T
LatLong method:	I3
LatLong description:	ST
Home page web address:	www.nrgenergy.com
Facility telephone:	8059845253
Facility email:	Not Reported
Facility DUNS #:	40095718
Parent's name:	NRG California South LP
Partner's name:	Not Reported
Parent's DUNS #:	0
Partner's DUNS #:	0
Operator's name:	NRG California South LP
Operator's telephone:	8059845291
Operator's address:	393 N. Harbor Blvd.
Operators City,St,Zip:	Oxnard, CA 93035
RMP implementation contact:	Scott Warnock
RMP contact title:	Environmental/Safety Representative
Emergency contact:	Thomas DiCiolli
Emergency contact title:	General Manager
Emergency contact telephone:	8059845241
24 hour emergency telephone:	8052073516
Emergency contact ext/pin #:	Not Reported
Number of full time employees:	35
EPA ID:	CAD000038174
Facility ID provided by CEPPO:	100000089619
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	T
Clean air op. permit/State ID:	00013
Last safety insp. dat:	2009-02-12 00:00:00
Inspected by:	Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Facility has no accident hist. recs:	True
Foreign owner's address:	Not Reported
Foreign owner's zip:	Not Reported
Foreign owner's country:	Not Reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2013-11-18 00:00:00
Date of error Report:	Not Reported
Date RMP received:	2009-06-15 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2009-06-11 00:00:00
Is RMP complete:	True
Date of de-registration:	Not Reported
Date de-registration is effective:	Not Reported
Aniversary date:	2014-06-11 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	3.10.1
FRS latitude:	34.206389999999999
FRS longitude:	-119.25
FRS Description:	FACILITY CENTROID
FRS Method:	INTERPOLATION-MAP

Process Details:

Process ID:	79746
NA & Industry Classification Sys.code(s):	221112
NAICS code description:	Fossil Fuel Electric Power Generation
Optional facility description:	Selective Catalytic Red
Program level:	2
Record contains CBI data:	False

Process chemical(s):

Chemical name:	Ammonia (conc 20% or greater)
Process chemical qty in 100s lbs:	32000
Process flammable chemical name:	Not Reported

Process Toxic Alt. Releases:

Percent weight of chemical:	Not Reported
Physical state:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	Not Reported
Stability class:	Not Reported
Topography:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Toxics Worst Case:

Percent weight of chemical:	Not Reported
Physical state:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	Not Reported
Stability class:	Not Reported
Topography:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported

Process Flammables Alt. Releases:

Endpoint used:	Not Reported
LFL value:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Flammables Worst Case:

Analytical basic:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Safety review date:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Most recent PHA date:	Not Reported
Process Hazard Analysis:	Not Reported
Expected PHA changes completion date:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent changes by mgmt:	Not Reported
Date of most recent review/update:	Not Reported
Date of pre-start review:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Date of participation plan review:	Not Reported
Date of hot work permit review:	Not Reported
Date of contractor safety review:	Not Reported
Date of contractor safety eval. review:	Not Reported
Record has CBI data:	Not Reported
Safety review date:	Not Reported
Federal Regulation:	Not Reported
Federal regulation comment:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent hazard review/update:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Expected completion of review changes:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Record has CBI data:	Not Reported
Date of most recent changes:	Not Reported
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0
Process flammable chemical name:	Not Reported

Process Toxic Alt. Releases:

Percent weight of chemical:	29
Physical state:	b
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Berms, Drains
Active mitigation:	Not Reported

Process Toxics Worst Case:

Percent weight of chemical:	29
Physical state:	b
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	10
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Dikes

Process Flammables Alt. Releases:

Endpoint used:	Not Reported
LFL value:	Not Reported
Analytical basic:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Flammables Worst Case:

Analytical basic:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Safety review date:	Not Reported
Most recent PHA date:	Not Reported
Process Hazard Analysis:	Not Reported
Expected PHA changes completion date:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent changes by mgmt:	Not Reported
Date of most recent review/update:	Not Reported
Date of pre-start review:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Date of participation plan review:	Not Reported
Date of hot work permit review:	Not Reported
Date of contractor safety review:	Not Reported
Date of contractor safety eval. review:	Not Reported
Record has CBI data:	Not Reported
Safety review date:	Not Reported
Federal Regulation:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Federal regulation comment:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent hazard review/update:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Expected completion of review changes:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Record has CBI data:	Not Reported
Date of most recent changes:	Not Reported

Emergency Response Details:

ER plan:	Not Reported
ER plan most recent review date:	2009-06-12 00:00:00
ER plan most recent employee training date:	2008-06-09 00:00:00
Local agency coordinating ER plan:	Oxnard Fire Department
Telephone of the coordinating local agency:	8053857722
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	True
RCRA:	True
OPA 90:	False
EPCRA:	True
Other Regulations:	Not Reported

Risk Management Plan (RMP) Facility Details:

Facility ID:	1000043692
LEPC city:	California Region 1 LEPC
Facility decimal latitude:	34.207222
Facility decimal longitude:	-119.251111
Is facility in county box:	T
LatLong method:	I3
LatLong description:	ST
Home page web address:	www.nrgenergy.com

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Facility telephone:	8059845253
Facility email:	Not Reported
Facility DUNS #:	40095718
Parent's name:	NRG California South LP
Partner's name:	Not Reported
Parent's DUNS #:	0
Partner's DUNS #:	0
Operator's name:	NRG California South LP
Operator's telephone:	8059845291
Operator's address:	393 N. Harbor Blvd.
Operators City,St,Zip:	Oxnard, CA 93035
RMP implementation contact:	Scott Warnock
RMP contact title:	Environmental Specialist
Emergency contact:	Thomas DiCiolli
Emergency contact title:	Plant Manager
Emergency contact telephone:	8059845241
24 hour emergency telephone:	8052073516
Emergency contact ext/pin #:	Not Reported
Number of full time employees:	32
EPA ID:	CAD000038174
Facility ID provided by CEPPO:	100000089619
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	T
Clean air op. permit/State ID:	00013
Last safety insp. dat:	2011-02-17 00:00:00
Inspected by:	Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not Reported
Facility has no accident hist. recs:	True
Foreign owner's address:	Not Reported
Foreign owner's zip:	Not Reported
Foreign owner's country:	Not Reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2014-06-10 00:00:00
Date of error Report:	Not Reported
Date RMP received:	2014-06-10 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2014-06-10 00:00:00
Is RMP complete:	True
Date of de-registration:	Not Reported
Date de-registration is effective:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Aniversary date:	2019-06-10 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	3.10.1
FRS latitude:	34.206389999999999
FRS longitude:	-119.25
FRS Description:	FACILITY CENTROID
FRS Method:	INTERPOLATION-MAP

Process Details:

Process ID:	1000053966
NA & Industry Classification Sys.code(s):	221112
NAICS code description:	Fossil Fuel Electric Power Generation
Optional facility description:	Selective Catalytic Red
Program level:	2
Record contains CBI data:	False

Process chemical(s):

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0
Process flammable chemical name:	Not Reported

Process Toxic Alt. Releases:

Percent weight of chemical:	29
Physical state:	b
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Berms, Drains
Active mitigation:	Not Reported

Process Toxics Worst Case:

Percent weight of chemical:	29
Physical state:	b
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	10
Release rate in pounds per second:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Dikes

Process Flammables Alt. Releases:

Endpoint used:	Not Reported
LFL value:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Flammables Worst Case:

Analytical basic:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Safety review date:	Not Reported
Most recent PHA date:	Not Reported
Process Hazard Analysis:	Not Reported
Expected PHA changes completion date:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent changes by mgmt:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Date of most recent review/update:	Not Reported
Date of pre-start review:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Date of participation plan review:	Not Reported
Date of hot work permit review:	Not Reported
Date of contractor safety review:	Not Reported
Date of contractor safety eval. review:	Not Reported
Record has CBI data:	Not Reported
Safety review date:	Not Reported
Federal Regulation:	Not Reported
Federal regulation comment:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent hazard review/update:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Expected completion of review changes:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Record has CBI data:	Not Reported
Date of most recent changes:	Not Reported
Chemical name:	Ammonia (conc 20% or greater)
Process chemical qty in 100s lbs:	32000
Process flammable chemical name:	Not Reported

Process Toxic Alt. Releases:

Percent weight of chemical:	Not Reported
Physical state:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Wind speed in meters/second:	Not Reported
Stability class:	Not Reported
Topography:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Toxics Worst Case:

Percent weight of chemical:	Not Reported
Physical state:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	Not Reported
Stability class:	Not Reported
Topography:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported

Process Flammables Alt. Releases:

Endpoint used:	Not Reported
LFL value:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Flammables Worst Case:

Analytical basic:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Safety review date:	Not Reported
Most recent PHA date:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Process Hazard Analysis:	Not Reported
Expected PHA changes completion date:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent changes by mgmt:	Not Reported
Date of most recent review/update:	Not Reported
Date of pre-start review:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Date of participation plan review:	Not Reported
Date of hot work permit review:	Not Reported
Date of contractor safety review:	Not Reported
Date of contractor safety eval. review:	Not Reported
Record has CBI data:	Not Reported
Safety review date:	Not Reported
Federal Regulation:	Not Reported
Federal regulation comment:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent hazard review/update:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Expected completion of review changes:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent compliance audit date:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Record has CBI data:	Not Reported
Date of most recent changes:	Not Reported

Emergency Response Details:

ER plan:	Not Reported
ER plan most recent review date:	2014-04-18 00:00:00
ER plan most recent employee training date:	2013-08-18 00:00:00
Local agency coordinating ER plan:	Oxnard Fire Department
Telephone of the coordinating local agency:	8053857722
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	True
RCRA:	True
OPA 90:	False
EPCRA:	True
Other Regulations:	Not Reported

Risk Management Plan (RMP) Facility Details:

Facility ID:	33191
LEPC city:	California Region 1 LEPC
Facility decimal latitude:	34.207222
Facility decimal longitude:	-119.251111
Is facility in county box:	T
LatLong method:	I1
LatLong description:	ST
Home page web address:	www.rrienergy.com
Facility telephone:	8059845253
Facility email:	Not Reported
Facility DUNS #:	40095718
Parent's name:	RRI Energy Mandalay, Inc.
Partner's name:	RRI Energy, Inc.
Parent's DUNS #:	0
Partner's DUNS #:	0
Operator's name:	Reliant Energy Mandalay, Inc.
Operator's telephone:	8059845253
Operator's address:	393 N. Harbor Blvd.
Operators City,St,Zip:	Oxnard, CA 93035
RMP implementation contact:	John Mason
RMP contact title:	Lead Station Engineer
Emergency contact:	Thomas Di Ciolli
Emergency contact title:	General Manager
Emergency contact telephone:	8059845241
24 hour emergency telephone:	8059845201
Emergency contact ext/pin #:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Number of full time employees:	28
EPA ID:	CAD000038174
Facility ID provided by CEPPO:	100000089619
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	T
Clean air op. permit/State ID:	0013
Last safety insp. dat:	2002-07-16 00:00:00
Inspected by:	Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not Reported
Facility has no accident hist. recs:	True
Foreign owner's address:	Not Reported
Foreign owner's zip:	Not Reported
Foreign owner's country:	Not Reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2009-05-22 00:00:00
Date of error Report:	Not Reported
Date RMP received:	2004-06-18 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*Submit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2004-06-17 00:00:00
Is RMP complete:	True
Date of de-registration:	Not Reported
Date de-registration is effective:	Not Reported
Aniversary date:	2009-06-17 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	3.1
FRS latitude:	34.206389999999999
FRS longitude:	-119.25
FRS Description:	FACILITY CENTROID
FRS Method:	INTERPOLATION-MAP

Process Details:

Process ID:	47884
NA & Industry Classification Sys.code(s):	221112
NAICS code description:	Fossil Fuel Electric Power Generation
Optional facility description:	Selective Catalytic Red.
Program level:	2
Record contains CBI data:	False

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Process chemical(s):

Chemical name:	Ammonia (conc 20% or greater)
Process chemical qty in 100s lbs:	32000
Process flammable chemical name:	Not Reported

Process Toxic Alt. Releases:

Percent weight of chemical:	Not Reported
Physical state:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	Not Reported
Stability class:	Not Reported
Topography:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Toxics Worst Case:

Percent weight of chemical:	Not Reported
Physical state:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	Not Reported
Stability class:	Not Reported
Topography:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported

Process Flammables Alt. Releases:

Endpoint used:	Not Reported
LFL value:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Flammables Worst Case:

Analytical basic:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Safety review date:	Not Reported
Most recent PHA date:	Not Reported
Process Hazard Analysis:	Not Reported
Expected PHA changes completion date:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent changes by mgmt:	Not Reported
Date of most recent review/update:	Not Reported
Date of pre-start review:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Date of participation plan review:	Not Reported
Date of hot work permit review:	Not Reported
Date of contractor safety review:	Not Reported
Date of contractor safety eval. review:	Not Reported
Record has CBI data:	Not Reported
Safety review date:	Not Reported
Federal Regulation:	Not Reported
Federal regulation comment:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Changes since the last process hazard analysis:	Not Reported
Most recent hazard review/update:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Expected completion of review changes:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Record has CBI data:	Not Reported
Date of most recent changes:	Not Reported
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0
Process flammable chemical name:	Not Reported

Process Toxic Alt. Releases:

Percent weight of chemical:	29
Physical state:	b
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Toxics Worst Case:

Percent weight of chemical:	29
Physical state:	b
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	10
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	1.5

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Dikes

Process Flammables Alt. Releases:

Endpoint used:	Not Reported
LFL value:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Flammables Worst Case:

Analytical basic:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Safety review date:	Not Reported
Most recent PHA date:	Not Reported
Process Hazard Analysis:	Not Reported
Expected PHA changes completion date:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent changes by mgmt:	Not Reported
Date of most recent review/update:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

Date of pre-start review:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Date of participation plan review:	Not Reported
Date of hot work permit review:	Not Reported
Date of contractor safety review:	Not Reported
Date of contractor safety eval. review:	Not Reported
Record has CBI data:	Not Reported
Safety review date:	Not Reported
Federal Regulation:	Not Reported
Federal regulation comment:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent hazard review/update:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Expected completion of review changes:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Record has CBI data:	Not Reported
Date of most recent changes:	Not Reported

Emergency Response Details:

ER plan:	Not Reported
ER plan most recent review date:	2004-05-25 00:00:00
ER plan most recent employee training date:	2003-12-10 00:00:00
Local agency coordinating ER plan:	Oxnard Fire Department
Telephone of the coordinating local agency:	8053857722
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	True
RCRA:	True
OPA 90:	False

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93035 (Continued)

EPCRA:	True
Other Regulations:	Title IV, Title V, 40 CFR Part 75, VCAPCD Rules

MANDALAY GENERATING STATION 393 N. HARBOR BLVD, OXNARD, CA, 93035		1011830662
▲ A3	Target Property 10 ft. Above Sea Level	Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

Risk Management Plan (RMP) Facility Details: Other Standard Environmental Records

Facility ID:	6731
LEPC city:	Not Reported
Facility decimal latitude:	34.206389
Facility decimal longitude:	-119.250667
Is facility in county box:	T
LatLong method:	A4
LatLong description:	AB
Home page web address:	Not Reported
Facility telephone:	Not Reported
Facility email:	Not Reported
Facility DUNS #:	878270941
Parent's name:	Reliant Energy Mandalay, LLC
Partner's name:	Not Reported
Parent's DUNS #:	0
Partner's DUNS #:	0
Operator's name:	Reliant Energy Mandalay, LLC
Operator's telephone:	8059845291
Operator's address:	393 N. Harbor Blvd
Operators City,St,Zip:	Oxnard, CA 93035
RMP implementation contact:	Tom Snowdon
RMP contact title:	Manager
Emergency contact:	Nemer Murr
Emergency contact title:	Production Manager
Emergency contact telephone:	8059845241
24 hour emergency telephone:	8059845201
Emergency contact ext/pin #:	Not Reported
Number of full time employees:	40
EPA ID:	CAR000038174
Facility ID provided by CEPPO:	100000089619
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	T
Clean air op. permit/State ID:	0013
Last safety insp. dat:	1999-02-23 00:00:00
Inspected by:	City of Oxnard Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	First Time
RMP description:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD, OXNARD, CA 93035 (Continued)

Facility has no accident hist. recs:	True
Foreign owner's address:	Not Reported
Foreign owner's zip:	Not Reported
Foreign owner's country:	Not Reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	1999-07-06 00:00:00
Date of error Report:	Not Reported
Date RMP received:	1999-06-21 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*Submit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	1999-06-18 00:00:00
Is RMP complete:	True
Date of de-registration:	Not Reported
Date de-registration is effective:	Not Reported
Aniversary date:	2004-06-18 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	1.1.7
FRS latitude:	34.206389999999999
FRS longitude:	-119.25
FRS Description:	FACILITY CENTROID
FRS Method:	INTERPOLATION-MAP

Process Details:

Process ID:	8102
NA & Industry Classification Sys.code(s):	221112
NAICS code description:	Fossil Fuel Electric Power Generation
Optional facility description:	Not Reported
Program level:	2
Record contains CBI data:	False

Process chemical(s):

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0
Process flammable chemical name:	Not Reported

Process Toxic Alt. Releases:

Percent weight of chemical:	30
Physical state:	b
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD, OXNARD, CA 93035 (Continued)

Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Emergency shutdown
Percent weight of chemical:	30
Physical state:	b
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Emergency shutdown
Percent weight of chemical:	30
Physical state:	b
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Emergency shutdown
Percent weight of chemical:	30
Physical state:	b
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	3

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD, OXNARD, CA 93035 (Continued)

Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Emergency shutdown

Process Toxics Worst Case:

Percent weight of chemical:	30
Physical state:	b
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	10
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Dikes

Process Flammables Alt. Releases:

Endpoint used:	Not Reported
LFL value:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Flammables Worst Case:

Analytical basic:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Safety review date:	Not Reported
Most recent PHA date:	Not Reported
Process Hazard Analysis:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD, OXNARD, CA 93035 (Continued)

Expected PHA changes completion date:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent changes by mgmt:	Not Reported
Date of most recent review/update:	Not Reported
Date of pre-start review:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Date of participation plan review:	Not Reported
Date of hot work permit review:	Not Reported
Date of contractor safety review:	Not Reported
Date of contractor safety eval. review:	Not Reported
Record has CBI data:	Not Reported
Safety review date:	Not Reported
Federal Regulation:	Not Reported
Federal regulation comment:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent hazard review/update:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Expected completion of review changes:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD, OXNARD, CA 93035 (Continued)

Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Record has CBI data:	Not Reported
Date of most recent changes:	Not Reported
Chemical name:	Ammonia (conc 20% or greater)
Process chemical qty in 100s lbs:	33000
Process flammable chemical name:	Not Reported

Process Toxic Alt. Releases:

Percent weight of chemical:	Not Reported
Physical state:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	Not Reported
Stability class:	Not Reported
Topography:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Toxics Worst Case:

Percent weight of chemical:	Not Reported
Physical state:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported
Release duration in minutes:	Not Reported
Release rate in pounds per second:	Not Reported
Wind speed in meters/second:	Not Reported
Stability class:	Not Reported
Topography:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported

Process Flammables Alt. Releases:

Endpoint used:	Not Reported
LFL value:	Not Reported
Analytical basic:	Not Reported
Scenario:	Not Reported
Quantity released in pounds:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD, OXNARD, CA 93035 (Continued)

Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Active mitigation:	Not Reported

Process Flammables Worst Case:

Analytical basic:	Not Reported
Quantity released in pounds:	Not Reported
Distance to endpoint in miles:	Not Reported
Residential population:	Not Reported
Public receptors:	Not Reported
Environmental receptors:	Not Reported
Passive mitigation:	Not Reported
Safety review date:	Not Reported
Most recent PHA date:	Not Reported
Process Hazard Analysis:	Not Reported
Expected PHA changes completion date:	Not Reported
Major Hazard:	Not Reported
Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent changes by mgmt:	Not Reported
Date of most recent review/update:	Not Reported
Date of pre-start review:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Date of participation plan review:	Not Reported
Date of hot work permit review:	Not Reported
Date of contractor safety review:	Not Reported
Date of contractor safety eval. review:	Not Reported
Record has CBI data:	Not Reported
Safety review date:	Not Reported
Federal Regulation:	Not Reported
Federal regulation comment:	Not Reported
Major Hazard:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD, OXNARD, CA 93035 (Continued)

Process Control:	Not Reported
Mitigation Systems:	Not Reported
Monitoring/Detection:	Not Reported
Changes since the last process hazard analysis:	Not Reported
Most recent hazard review/update:	Not Reported
Most recent review of op. procedures:	Not Reported
Most recent training progs review/update:	Not Reported
Expected completion of review changes:	Not Reported
Training:	Not Reported
Competency testing:	Not Reported
Most recent maintenance review date:	Not Reported
Most recent equipment inspection date:	Not Reported
Equipment tested:	Not Reported
Most recent compliance audit date:	Not Reported
Expected date of audit completion:	Not Reported
Most recent incident investigation:	Not Reported
Expected date of investigation changes:	Not Reported
Record has CBI data:	Not Reported
Date of most recent changes:	Not Reported

Emergency Response Details:

ER plan:	Not Reported
ER plan most recent review date:	1999-05-27 00:00:00
ER plan most recent employee training date:	1998-12-01 00:00:00
Local agency coordinating ER plan:	City of Oxnard Fire Deparment
Telephone of the coordinating local agency:	8053857657
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	True
RCRA:	True
OPA 90:	False
EPCRA:	True
Other Regulations:	Not Reported

MAP FINDINGS

MANDALAY GENERATING STATION (ADVANCED ONSITE SEWAGE TREATMEN 393 NORTH HARBOR BOULEVARD, OXNARD, CA, 93035		U001579791
▲ A4	Target Property 10 ft. Above Sea Level	State and tribal registered storage tank lists Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

ENF: Other Standard Environmental Records

Region:	4
Facility Id:	242209
Agency Name:	NRG California South LP
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.20851
Place Longitude:	-119.24851
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	255.3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4A562019001
Reg Measure Id:	148167
Reg Measure Type:	NPDES Permits
Region:	4

MA (Continued)

Order #:	R4-2001-0057
Npdes# CA#:	CA0001180
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not Reported
301H:	N
Application Fee Amt Received:	20000
Status:	Active
Status Date:	08/22/2013
Effective Date:	04/26/2001
Expiration/Review Date:	01/01/2012
Termination Date:	Not Reported
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	384994
Region:	4
Order / Resolution Number:	Not Reported
Enforcement Action Type:	Notice of Violation
Effective Date:	05/07/2012
Adoption/Issuance Date:	05/07/2012
Achieve Date:	Not Reported
Termination Date:	05/07/2012
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	NOV 05/07/2012 for GenOn West, LP
Description:	Not Reported
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00
Region:	4
Facility Id:	242209
Agency Name:	NRG California South LP

MA (Continued)

Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.20851
Place Longitude:	-119.24851
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	255.3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4A562019001
Reg Measure Id:	135511
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	94-131
Npdes# CA#:	CA0001180
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not Reported
301H:	N
Application Fee Amt Received:	Not Reported
Status:	Historical
Status Date:	12/05/1994
Effective Date:	12/05/1994
Expiration/Review Date:	11/10/1999
Termination Date:	04/25/2001

MA (Continued)

WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not Reported
Direction/Voice:	Passive
Enforcement Id(EID):	355988
Region:	4
Order / Resolution Number:	R4-2008-0113-M
Enforcement Action Type:	Admin Civil Liability
Effective Date:	11/19/2008
Adoption/Issuance Date:	11/19/2008
Achieve Date:	Not Reported
Termination Date:	10/13/2009
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	Expedited Settlement Ltr sent 11/19/08 for 64 effluent limit violations.
Description:	Expedited Settlement Ltr sent 11/19/08 for 64 effluent limit violations. MMP amt for 64 effluent violations: $192,000 to CAA. Amended amount: $111,000 by 5/19/09 ltr for 40 violations.
Program:	NPDINDLRG
Latest Milestone Completion Date:	10/13/2009
# Of Programs1:	1
Total Assessment Amount:	$111,000.0
Initial Assessed Amount:	$111,000.0
Liability $ Amount:	$111,000.0
Project $ Amount:	$0.00
Liability $ Paid:	$111,000.0
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$111,000.0
Region:	4
Facility Id:	242209
Agency Name:	NRG California South LP
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.20851
Place Longitude:	-119.24851
SIC Code 1:	4911
SIC Desc 1:	Electric Services

MA (Continued)

SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	255.3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4A562019001
Reg Measure Id:	135511
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	94-131
Npdes# CA#:	CA0001180
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not Reported
301H:	N
Application Fee Amt Received:	Not Reported
Status:	Historical
Status Date:	12/05/1994
Effective Date:	12/05/1994
Expiration/Review Date:	11/10/1999
Termination Date:	04/25/2001
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not Reported

MA (Continued)

Direction/Voice:	Passive
Enforcement Id(EID):	236569
Region:	4
Order / Resolution Number:	R4-2001-0083
Enforcement Action Type:	Admin Civil Liability
Effective Date:	07/09/2001
Adoption/Issuance Date:	Not Reported
Achieve Date:	Not Reported
Termination Date:	07/23/2001
ACL Issuance Date:	07/09/2001
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	MMPC 01-083 for $3,000 (07/09/01) - Reliant Energy, Mandalay Generating Station
Description:	Mandatory Minimum Penalty Complaint No. 01-083 for $3,000 issued 7/9/01 for permit effluent violation.
Program:	NPDESWW
Latest Milestone Completion Date:	7/15/2003
# Of Programs1:	1
Total Assessment Amount:	$3,000.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$3,000.00
Project $ Amount:	$0.00
Liability $ Paid:	$3,000.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$3,000.00
Region:	4
Facility Id:	242209
Agency Name:	NRG California South LP
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.20851
Place Longitude:	-119.24851
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas

MA (Continued)

Design Flow:	255.3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4A562019001
Reg Measure Id:	135511
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	94-131
Npdes# CA#:	CA0001180
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not Reported
301H:	N
Application Fee Amt Received:	Not Reported
Status:	Historical
Status Date:	12/05/1994
Effective Date:	12/05/1994
Expiration/Review Date:	11/10/1999
Termination Date:	04/25/2001
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not Reported
Direction/Voice:	Passive
Enforcement Id(EID):	235560
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	04/25/2001
Adoption/Issuance Date:	04/25/2001
Achieve Date:	Not Reported
Termination Date:	05/25/2001
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical

MA (Continued)

Title:	NOV - Reliant Energy, Mandalay Generating Station (04/25/01)
Description:	Notice of Violation sent 4/25/01 for effluent violations.
Program:	NPDESWW
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00
Region:	4
Facility Id:	254025
Agency Name:	NRG California South LP
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Municipal/Domestic
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.20851
Place Longitude:	-119.24851
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0016
Threat To Water Quality:	3
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	WDRMUNIOTH
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	4A562019004

MA (Continued)

Reg Measure Id:	132133
Reg Measure Type:	WDR
Region:	4
Order #:	R4-2003-0109
Npdes# CA#:	Not Reported
Major-Minor:	Not Reported
Npdes Type:	Not Reported
Reclamation:	N - No
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	200
Status:	Historical
Status Date:	08/18/2008
Effective Date:	08/07/2003
Expiration/Review Date:	08/07/2008
Termination Date:	10/01/2008
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	249189
Region:	4
Order / Resolution Number:	R4-2003-0110
Enforcement Action Type:	Time Schedule Order
Effective Date:	08/07/2003
Adoption/Issuance Date:	Not Reported
Achieve Date:	Not Reported
Termination Date:	10/02/2008
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	TSO R4-2003-0110 adopted 8/7/03 to comply with Order R4-2003-0109
Description:	TSO R4-2003-0110 adopted by the Board 8/7/03 contains a schedule for the discharger to come into compliance with the requirements of Order R4-2003-0109. TSO mailed 8/18/03.
Program:	WDRMUNIOTH
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00

MA (Continued)

Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

HIST UST: State and tribal registered storage tank lists

Region:	STATE
Facility ID:	00000022184
Facility Type:	Other
Other Type:	ELECTRIC UTILITY
Contact Name:	J. L. SOCIA, SUPR OF PLANT ENG
Telephone:	8185721801
Owner Name:	SOUTHERN CALIFORNIA EDISON CO.
Owner Address:	2244 WALNUT GROVE AVENUE
Owner City,St,Zip:	ROSEMEAD, CA 91770
Total Tanks:	0015
Tank Num:	001
Container Num:	179
Year Installed:	Not Reported
Tank Capacity:	00185000
Tank Used for:	WASTE
Type of Fuel:	Not Reported
Container Construction Thickness:	Not Reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	180
Year Installed:	Not Reported
Tank Capacity:	00250000
Tank Used for:	WASTE
Type of Fuel:	Not Reported
Container Construction Thickness:	Not Reported
Leak Detection:	Visual
Tank Num:	003
Container Num:	181
Year Installed:	Not Reported
Tank Capacity:	00250000
Tank Used for:	WASTE
Type of Fuel:	Not Reported
Container Construction Thickness:	Not Reported
Leak Detection:	Visual
Tank Num:	004
Container Num:	182
Year Installed:	1959
Tank Capacity:	00000200
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not Reported
Leak Detection:	Visual
Tank Num:	005

MA (Continued)

Container Num:	183
Year Installed:	1978
Tank Capacity:	00005500
Tank Used for:	WASTE
Type of Fuel:	Not Reported
Container Construction Thickness:	Not Reported
Leak Detection:	Visual
Tank Num:	006
Container Num:	184
Year Installed:	Not Reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not Reported
Container Construction Thickness:	Not Reported
Leak Detection:	Visual
Tank Num:	007
Container Num:	185
Year Installed:	1974
Tank Capacity:	00004000
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not Reported
Leak Detection:	Visual
Tank Num:	008
Container Num:	186
Year Installed:	1974
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	Not Reported
Container Construction Thickness:	Not Reported
Leak Detection:	Visual
Tank Num:	009
Container Num:	187
Year Installed:	1974
Tank Capacity:	00009000
Tank Used for:	PRODUCT
Type of Fuel:	Not Reported
Container Construction Thickness:	Not Reported
Leak Detection:	Visual
Tank Num:	010
Container Num:	188
Year Installed:	1959
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not Reported
Container Construction Thickness:	Not Reported
Leak Detection:	Visual

MA (Continued)

Tank Num:	011
Container Num:	189
Year Installed:	1959
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not Reported
Leak Detection:	Visual, Stock Inventor

Tank Num:	012
Container Num:	190
Year Installed:	1959
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	Not Reported
Container Construction Thickness:	Not Reported
Leak Detection:	Visual, Stock Inventor

Tank Num:	013
Container Num:	191
Year Installed:	Not Reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not Reported
Leak Detection:	Visual

Tank Num:	014
Container Num:	192
Year Installed:	Not Reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not Reported
Leak Detection:	Visual

Tank Num:	015
Container Num:	193
Year Installed:	Not Reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not Reported
Leak Detection:	Visual

NPDES: Other Standard Environmental Records

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	419328

MA (Continued)

Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not Reported
WDID:	4 56C361977
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	09/19/2011
Expiration Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	03/16/2012
Discharge Name:	Southern California Edison
Discharge Address:	8631 Rush Street
Discharge City:	Rosemead
Discharge State:	California
Discharge Zip:	91770
Npdes Number:	CA0001180
Facility Status:	Active
Agency Id:	38487
Region:	4
Regulatory Measure Id:	148167
Order No:	R4-2001-0057
Regulatory Measure Type:	NPDES Permits
Place Id:	242209
WDID:	4A562019001
Program Type:	NPDINDLRG
Adoption Date Of Regulatory Measure:	04/26/2001
Effective Date Of Regulatory Measure:	04/26/2001
Expiration Date Of Regulatory Measure:	01/01/2012
Termination Date Of Regulatory Measure:	Not Reported
Discharge Name:	NRG California South LP
Discharge Address:	6635 South Edison Drive
Discharge City:	Oxnard
Discharge State:	CA
Discharge Zip:	93003
Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	424241
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not Reported
WDID:	4 56C363020
Program Type:	Construction

MA (Continued)

Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	02/15/2012
Expiration Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	08/14/2012
Discharge Name:	Southern California Gas Company
Discharge Address:	555 West Fifth Street GT12B8
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90013
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	192772
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not Reported
WDID:	4 56I016869
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	10/17/2001
Expiration Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	Not Reported
Discharge Name:	NRG California South LP
Discharge Address:	393 North Harbor Blvd
Discharge City:	Oxnard
Discharge State:	California
Discharge Zip:	93033

MAP FINDINGS

IN FRONT OF THE MANDALAY GENERATING STATION, 393 N. HARBOR B IN FRONT OF THE MANDALAY GENERATING STATION, 393 N. HARBOR B, OXNARD, CA, 91773		S106395350
▲ A5	Target Property 10 ft. Above Sea Level	Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

CHMIRS: Other Standard Environmental Records

OES Incident Number:	02-2696
OES notification:	05/20/2002
OES Date:	Not Reported
OES Time:	Not Reported
Incident Date:	Not Reported
Date Completed:	Not Reported
Property Use:	Not Reported
Agency Id Number:	Not Reported
Agency Incident Number:	Not Reported
Time Notified:	Not Reported
Time Completed:	Not Reported
Surrounding Area:	Not Reported
Estimated Temperature:	Not Reported
Property Management:	Not Reported
More Than Two Substances Involved?:	Not Reported
Resp Agncy Personel # Of Decontaminated:	Not Reported
Responding Agency Personel # Of Injuries:	Not Reported
Responding Agency Personel # Of Fatalities:	Not Reported
Others Number Of Decontaminated:	Not Reported
Others Number Of Injuries:	Not Reported
Others Number Of Fatalities:	Not Reported
Vehicle Make/year:	Not Reported
Vehicle License Number:	Not Reported
Vehicle State:	Not Reported
Vehicle Id Number:	Not Reported
CA DOT PUC/ICC Number:	Not Reported
Company Name:	Not Reported
Reporting Officer Name/ID:	Not Reported
Report Date:	Not Reported
Facility Telephone:	Not Reported
Waterway Involved:	Yes
Waterway:	Pacific Ocean
Spill Site:	Not Reported
Cleanup By:	Contractor
Containment:	Not Reported
What Happened:	Not Reported
Type:	Not Reported

IN (Continued)

Measure:	Not Reported
Other:	Not Reported
Date/Time:	Not Reported
Year:	2002
Agency:	Southern California Edison
Incident Date:	5/20/200212:00:00 AM
Admin Agency:	Oxnard Fire Department
Amount:	Not Reported
Contained:	Yes
Site Type:	Ship/Harbor/Port
E Date:	Not Reported
Substance:	#6 Fuel Oil
Gallons:	0.000000
Sheen:	30
Unknown:	0
Substance #2:	Not Reported
Substance #3:	Not Reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not Reported
#2 Pipeline:	Not Reported
#3 Pipeline:	Not Reported
#1 Vessel >= 300 Tons:	Not Reported
#2 Vessel >= 300 Tons:	Not Reported
#3 Vessel >= 300 Tons:	Not Reported
Evacs:	Not Reported
Injuries:	Not Reported
Fatals:	Not Reported
Comments:	Not Reported
Description:	A pipeline is being decommissioned and while cutting, some substance escaped from the seep tent.

MAP FINDINGS

393 N HARBOR BLVD BWTN VENTURA HARBOR & 393 N HARBOR BLVD BWTN VENTURA HARBOR &, OXNARD, CA,		93304184
▲ A6	Target Property 10 ft. Above Sea Level	Federal ERNS list

Worksheet:

Impact on Target Property: VEC Exists

ERNS: Federal ERNS list

Site ID:	93304184
Site location:	393 N HARBOR BLVD BWTN VENTURA HARBOR & OXNARD, CA CHANNEL ISLAND.
County:	VENTURA
Report number:	157254
EPA region:	Not Reported
EPA region:	09
Spill date:	02/09/1993
Spill time:	12:30
Medium affected:	Water
Damage:	False
Damage $ amount:	0.00
Number of injured:	0
Number of fatalities:	0
Notes:	PACIFIC OCEAN
Discharger:	Not Reported
Discharger address:	Not Reported
Discharger county:	Not Reported
C.G. Unit:	LOSMS
EPA notified:	False
Initial report:	True
Updated report:	True
Spill cause:	Not Reported
Spilled material:	UNKNOWN OIL
Spill total qty:	0.00 UNK
In water:	0.00 UNK
DOT #:	Not Reported
CAS:	Not Reported
Quantity (lbs):	0.00
Description:	UNKNOWN / UNKNOWN SLICK SIGHTING SLICK SIZE: 30FT X 25 FT, 500 YDS OFFSHORE HEADING S. SLICK NO.2: 30 FT X 175 FT, DARK IN COLOR.
Action:	NONE.
Comments:	SLICKS ARE MOVING S AT 1 KNOT. CALLER REPORTS THE PRODUCT LOOKS LIKE SOME KIND OF FUEL OIL.

EDISON CANAL MAINT. DREDGING 393 N HARBOR BLVD, OXNARD, CA, 93055		S105557761
▲ A7	Target Property 10 ft. Above Sea Level	Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

CA WDS: Other Standard Environmental Records

Facility ID:	Santa Clara River 562019003
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not Reported
Subregion:	4
Facility Telephone:	8059845243
Facility Contact:	John Mason
Agency Name:	RELIANT ENERGY MANDALAY LLC
Agency Address:	Not Reported
Agency City,St,Zip:	0
Agency Contact:	Not Reported
Agency Telephone:	Not Reported
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not Reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	DREDGS
Waste Type2:	Not Reported
Waste2:	Dredging Spoils
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not Reported
Secondary Waste Type:	Not Reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

MAP FINDINGS

MANDALAY POWER GENERATION 393 NORTH HARBOR BLVD, OXNARD, CA, 93030		S100676238
▲ A8	Target Property 10 ft. Above Sea Level	Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

Toxic Pits: Other Standard Environmental Records

Region:	04
Task #:	04012
Owner:	SOUTHERN CALIFORNIA EDISON
1/2 Mi Limit:	Y
Num. of Pits:	1
Cease Discharge Due:	02/26/95
Cease Discharge Complete:	/ /
Closure Due:	/ /
Closure Completed:	**/ /**
Status:	ACTIVE
Hydro Geological Assessment Report Due:	/ /
Final Hydro Geological Assessment Review Completed:	05/27/88

EMI: Other Standard Environmental Records

Year:	1987
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	91
Reactive Organic Gases Tons/Yr:	42
Carbon Monoxide Emissions Tons/Yr:	155
NOX - Oxides of Nitrogen Tons/Yr:	1495
SOX - Oxides of Sulphur Tons/Yr:	38
Particulate Matter Tons/Yr:	28
Part. Matter 10 Micrometers & Smllr Tons/Yr:	28
Year:	1990
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN

MANDALAY POWER GENERATION, 393 NORTH HARBOR BLVD, OXNARD, CA 93030 (Continued)

SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	75
Reactive Organic Gases Tons/Yr:	47
Carbon Monoxide Emissions Tons/Yr:	100
NOX - Oxides of Nitrogen Tons/Yr:	1148
SOX - Oxides of Sulphur Tons/Yr:	213
Particulate Matter Tons/Yr:	50
Part. Matter 10 Micrometers & Smllr Tons/Yr:	48
Year:	1995
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	28
Reactive Organic Gases Tons/Yr:	13
Carbon Monoxide Emissions Tons/Yr:	144
NOX - Oxides of Nitrogen Tons/Yr:	546
SOX - Oxides of Sulphur Tons/Yr:	4
Particulate Matter Tons/Yr:	13
Part. Matter 10 Micrometers & Smllr Tons/Yr:	13
Year:	1996
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	22
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	236
NOX - Oxides of Nitrogen Tons/Yr:	146
SOX - Oxides of Sulphur Tons/Yr:	11
Particulate Matter Tons/Yr:	16

MANDALAY POWER GENERATION, 393 NORTH HARBOR BLVD, OXNARD, CA 93030 (Continued)

Part. Matter 10 Micrometers & Smllr Tons/Yr:	16
Year:	1997
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	24
Reactive Organic Gases Tons/Yr:	11
Carbon Monoxide Emissions Tons/Yr:	265
NOX - Oxides of Nitrogen Tons/Yr:	54
SOX - Oxides of Sulphur Tons/Yr:	8
Particulate Matter Tons/Yr:	17
Part. Matter 10 Micrometers & Smllr Tons/Yr:	17
Year:	1998
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	17
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	120
NOX - Oxides of Nitrogen Tons/Yr:	36
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	8
Part. Matter 10 Micrometers & Smllr Tons/Yr:	8
Year:	1999
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not Reported

MANDALAY POWER GENERATION, 393 NORTH HARBOR BLVD, OXNARD, CA 93030 (Continued)

Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	25
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	243
NOX - Oxides of Nitrogen Tons/Yr:	72
SOX - Oxides of Sulphur Tons/Yr:	4
Particulate Matter Tons/Yr:	16
Part. Matter 10 Micrometers & Smllr Tons/Yr:	16
Year:	2000
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	65
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	510
NOX - Oxides of Nitrogen Tons/Yr:	201
SOX - Oxides of Sulphur Tons/Yr:	7
Particulate Matter Tons/Yr:	36
Part. Matter 10 Micrometers & Smllr Tons/Yr:	36
Year:	2001
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	55
Reactive Organic Gases Tons/Yr:	15
Carbon Monoxide Emissions Tons/Yr:	411
NOX - Oxides of Nitrogen Tons/Yr:	174
SOX - Oxides of Sulphur Tons/Yr:	6
Particulate Matter Tons/Yr:	29
Part. Matter 10 Micrometers & Smllr Tons/Yr:	29
Year:	2002

MANDALAY POWER GENERATION, 393 NORTH HARBOR BLVD, OXNARD, CA 93030 (Continued)

County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	198
NOX - Oxides of Nitrogen Tons/Yr:	63
SOX - Oxides of Sulphur Tons/Yr:	3
Particulate Matter Tons/Yr:	14
Part. Matter 10 Micrometers & Smllr Tons/Yr:	14
Year:	2003
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	133
NOX - Oxides of Nitrogen Tons/Yr:	38
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	9
Part. Matter 10 Micrometers & Smllr Tons/Yr:	9
Year:	2004
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	11.155
Reactive Organic Gases Tons/Yr:	4.71

MANDALAY POWER GENERATION, 393 NORTH HARBOR BLVD, OXNARD, CA 93030 (Continued)

Carbon Monoxide Emissions Tons/Yr:	134.81
NOX - Oxides of Nitrogen Tons/Yr:	17.12
SOX - Oxides of Sulphur Tons/Yr:	2.022
Particulate Matter Tons/Yr:	8.426
Part. Matter 10 Micrometers & Smllr Tons/Yr:	8.43
Year:	2005
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.793
Reactive Organic Gases Tons/Yr:	2.5030255
Carbon Monoxide Emissions Tons/Yr:	70.035
NOX - Oxides of Nitrogen Tons/Yr:	9.359
SOX - Oxides of Sulphur Tons/Yr:	1.035
Particulate Matter Tons/Yr:	4.553
Part. Matter 10 Micrometers & Smllr Tons/Yr:	4.551362
Year:	2006
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.06728
Reactive Organic Gases Tons/Yr:	2.84650172
Carbon Monoxide Emissions Tons/Yr:	72.27637
NOX - Oxides of Nitrogen Tons/Yr:	8.830865
SOX - Oxides of Sulphur Tons/Yr:	1.05555
Particulate Matter Tons/Yr:	4.84756
Part. Matter 10 Micrometers & Smllr Tons/Yr:	4.84448458
Year:	2007
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN

MANDALAY POWER GENERATION, 393 NORTH HARBOR BLVD, OXNARD, CA 93030 (Continued)

SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.980717
Reactive Organic Gases Tons/Yr:	3.51876364
Carbon Monoxide Emissions Tons/Yr:	90.198275
NOX - Oxides of Nitrogen Tons/Yr:	10.003
SOX - Oxides of Sulphur Tons/Yr:	1.33593
Particulate Matter Tons/Yr:	5.8342785
Part. Matter 10 Micrometers & Smllr Tons/Yr:	5.832445191
Year:	2008
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	N
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	11.77825
Reactive Organic Gases Tons/Yr:	4.57830054
Carbon Monoxide Emissions Tons/Yr:	121.73627
NOX - Oxides of Nitrogen Tons/Yr:	13.40991
SOX - Oxides of Sulphur Tons/Yr:	1.80444
Particulate Matter Tons/Yr:	7.85767
Part. Matter 10 Micrometers & Smllr Tons/Yr:	7.8553498
Year:	2009
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	N
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.50958975
Reactive Organic Gases Tons/Yr:	2.93305478
Carbon Monoxide Emissions Tons/Yr:	71.574044999999998
NOX - Oxides of Nitrogen Tons/Yr:	8.6668900000000004
SOX - Oxides of Sulphur Tons/Yr:	1.0230840000000001
Particulate Matter Tons/Yr:	5.0577078000000002

MANDALAY POWER GENERATION, 393 NORTH HARBOR BLVD, OXNARD, CA 93030 (Continued)

Part. Matter 10 Micrometers & Smllr Tons/Yr:	5.0522618328000002
Year:	2010
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	N
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.598732
Reactive Organic Gases Tons/Yr:	1.08057
Carbon Monoxide Emissions Tons/Yr:	20.488160000000001
NOX - Oxides of Nitrogen Tons/Yr:	4.1501169999999998
SOX - Oxides of Sulphur Tons/Yr:	0.28337699999999999
Particulate Matter Tons/Yr:	1.5582450000000001
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1.5556506000000001
Year:	2011
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.7828096
Reactive Organic Gases Tons/Yr:	0.76157318368
Carbon Monoxide Emissions Tons/Yr:	18.5962676
NOX - Oxides of Nitrogen Tons/Yr:	5.197982
SOX - Oxides of Sulphur Tons/Yr:	0.261796
Particulate Matter Tons/Yr:	1.3614158
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1.3595590208
Year:	2012
County Code:	56
Air Basin:	SCC
Facility ID:	13
Air District Name:	VEN
SIC Code:	4911
Air District Name:	VENTURA COUNTY APCD
Community Health Air Pollution Info System:	N

MANDALAY POWER GENERATION, 393 NORTH HARBOR BLVD, OXNARD, CA 93030 (Continued)

Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.50662284
Reactive Organic Gases Tons/Yr:	2.1007797253
Carbon Monoxide Emissions Tons/Yr:	52.4638101
NOX - Oxides of Nitrogen Tons/Yr:	14.8454606
SOX - Oxides of Sulphur Tons/Yr:	0.72496762
Particulate Matter Tons/Yr:	3.99594406
Part. Matter 10 Micrometers & Smllr Tons/Yr:	3.9892662026

CHMIRS: Other Standard Environmental Records

OES Incident Number:	00-3530
OES notification:	08/07/2000
OES Date:	Not Reported
OES Time:	Not Reported
Incident Date:	Not Reported
Date Completed:	Not Reported
Property Use:	Not Reported
Agency Id Number:	Not Reported
Agency Incident Number:	Not Reported
Time Notified:	Not Reported
Time Completed:	Not Reported
Surrounding Area:	Not Reported
Estimated Temperature:	Not Reported
Property Management:	Not Reported
More Than Two Substances Involved?:	Not Reported
Resp Agncy Personel # Of Decontaminated:	Not Reported
Responding Agency Personel # Of Injuries:	Not Reported
Responding Agency Personel # Of Fatalities:	Not Reported
Others Number Of Decontaminated:	Not Reported
Others Number Of Injuries:	Not Reported
Others Number Of Fatalities:	Not Reported
Vehicle Make/year:	Not Reported
Vehicle License Number:	Not Reported
Vehicle State:	Not Reported
Vehicle Id Number:	Not Reported
CA DOT PUC/ICC Number:	Not Reported
Company Name:	Not Reported
Reporting Officer Name/ID:	Not Reported
Report Date:	Not Reported
Facility Telephone:	Not Reported
Waterway Involved:	Yes
Waterway:	Pacific Ocean
Spill Site:	Not Reported
Cleanup By:	Unknown
Containment:	Not Reported

MANDALAY POWER GENERATION, 393 NORTH HARBOR BLVD, OXNARD, CA 93030 (Continued)

What Happened:	Not Reported
Type:	Not Reported
Measure:	Not Reported
Other:	Not Reported
Date/Time:	Not Reported
Year:	2000
Agency:	Reliant Energy
Incident Date:	8/7/200012:00:00 AM
Admin Agency:	Oxnard Fire Department
Amount:	Not Reported
Contained:	No
Site Type:	Utilities/Substation
E Date:	Not Reported
Substance:	Oil
Gallons:	5
Unknown:	0
Substance #2:	Not Reported
Substance #3:	Not Reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not Reported
#2 Pipeline:	Not Reported
#3 Pipeline:	Not Reported
#1 Vessel >= 300 Tons:	Not Reported
#2 Vessel >= 300 Tons:	Not Reported
#3 Vessel >= 300 Tons:	Not Reported
Evacs:	Not Reported
Injuries:	Not Reported
Fatals:	Not Reported
Comments:	Not Reported
Description:	2 patches of sheen on water 4 ft x 4 inches wide. While cleaning a retenion basin a sheen appeared. Sheen disipated

MAP FINDINGS

SOUTHERN CALIF EDISON 393 N HARBOR BLVD, OXNARD, CA, 93030		S101596384
▲ A9	Target Property 10 ft. Above Sea Level	State and tribal registered storage tank lists

Worksheet:

Impact on Target Property: VEC Exists

SWEEPS UST: State and tribal registered storage tank lists

Status:	Active
Comp Number:	894
Number:	9
Board Of Equalization:	44-030635
Referral Date:	09-30-92
Action Date:	09-30-92
Created Date:	02-29-88
Owner Tank Id:	Not Reported
SWRCB Tank Id:	56-000-000894-000001
Tank Status:	A
Capacity:	1000
Active Date:	Not Reported
Tank Use:	UNKNOWN
STG:	P
Content:	Not Reported
Number Of Tanks:	3

Status:	Active
Comp Number:	894
Number:	9
Board Of Equalization:	44-030635
Referral Date:	09-30-92
Action Date:	09-30-92
Created Date:	02-29-88
Owner Tank Id:	Not Reported
SWRCB Tank Id:	56-000-000894-000002
Tank Status:	A
Capacity:	200
Active Date:	Not Reported
Tank Use:	UNKNOWN
STG:	P
Content:	Not Reported
Number Of Tanks:	Not Reported

Status:	Active
Comp Number:	894
Number:	9
Board Of Equalization:	44-030635
Referral Date:	09-30-92
Action Date:	09-30-92
Created Date:	02-29-88

SOUTHERN CALIF EDISON, 393 N HARBOR BLVD, OXNARD, CA 93030 (Continued)

Owner Tank Id:	Not Reported
SWRCB Tank Id:	56-000-000894-000003
Tank Status:	A
Capacity:	1000
Active Date:	Not Reported
Tank Use:	UNKNOWN
STG:	P
Content:	Not Reported
Number Of Tanks:	Not Reported

CA FID UST: State and tribal registered storage tank lists

Facility ID:	56004702
Regulated By:	UTNKA
Regulated ID:	CAD000630
Cortese Code:	Not Reported
SIC Code:	Not Reported
Facility Phone:	Not Reported
Mail To:	Not Reported
Mailing Address:	393 N HARBOR BLVD
Mailing Address 2:	Not Reported
Mailing City,St,Zip:	OXNARD 93030
Contact:	Not Reported
Contact Phone:	Not Reported
DUNs Number:	Not Reported
NPDES Number:	Not Reported
EPA ID:	Not Reported
Comments:	Not Reported
Status:	Active

SOUTHERN CALIFORNIA EDISON 393 HARBOR BLVD, OXNARD, CA,	U003913132	
▲ A10	Target Property 10 ft. Above Sea Level	State and tribal registered storage tank lists

Worksheet:

Impact on Target Property: VEC Exists

VENTURA CO. UST: State and tribal registered storage tank lists

Facility ID:	D 1204
Facility Status:	Inactive

MAP FINDINGS

SOUTHERN CALIFORNIA EDISON - MANDALAY 220 KV SWITCH YARD 393 N HARBOR BLVD S/OF GONZALES RD, OXNARD, CA, 93036		1016427074
▲ A11	Target Property 10 ft. Above Sea Level	Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

FINDS: Other Standard Environmental Records

Registry ID: 110055768058

Environmental Interest/Information System:

STATE MASTER

MAP FINDINGS

MANDALAY GENERATING STA 393 N HARBOUR DR MANDALAY GENERATING STA 393 N HARBOUR DR, OXNARD, CA, 90189516		
▲ A12	Target Property 10 ft. Above Sea Level	Federal ERNS list

Worksheet:

Impact on Target Property: VEC Exists

ERNS: Federal ERNS list

Site ID:	90189516
Site location:	MANDALAY GENERATING STA 393 N HARBOUR DR OXNARD, CA
County:	VENTURA
Report number:	51810
EPA region:	Not Reported
Spill date:	12/20/1990
Spill time:	08:30
Medium affected:	Water
Damage:	False
Damage $ amount:	0.00
Number of injured:	0
Number of fatalities:	0
Notes:	STATION OUTFALL>PACIFIC OCEAN
Discharger:	SOUTHERN CAL EDDISON CO
Discharger address:	2244 WALNUTT GROVE AVE ROSEMEAD, CA 91770
Discharger county:	Not Reported
C.G. Unit:	LOSMS
EPA notified:	False
Initial report:	True
Updated report:	True
Spill cause:	Not Reported
Spilled material:	OIL, MISC: LUBRICATING
Spill total qty:	1.00 BBL
In water:	0.00 UNK
DOT #:	Not Reported
CAS:	Not Reported
Quantity (lbs):	315.00
Description:	PIPE/RUPTURED DUE TO UNKNOWN CAUSE
Action:	SORBENT BOOMS DEPLOYED. SORBENTS APPLIED.
Comments:	SHEEN SIZE UNKNOWN. NO SHEEN SEEN IN OCEAN.

MAP FINDINGS

393 HARBOR BLVD 393 HARBOR BLVD, OXNARD, CA,		S113473077
▲ A13	Target Property 10 ft. Above Sea Level	Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

CHMIRS: Other Standard Environmental Records

OES Incident Number:	'13-1094
OES notification:	02/21/2013
OES Date:	Not Reported
OES Time:	Not Reported
Incident Date:	Not Reported
Date Completed:	Not Reported
Property Use:	Not Reported
Agency Id Number:	Not Reported
Agency Incident Number:	Not Reported
Time Notified:	Not Reported
Time Completed:	Not Reported
Surrounding Area:	Not Reported
Estimated Temperature:	Not Reported
Property Management:	Not Reported
More Than Two Substances Involved?:	Not Reported
Resp Agncy Personel # Of Decontaminated:	Not Reported
Responding Agency Personel # Of Injuries:	Not Reported
Responding Agency Personel # Of Fatalities:	Not Reported
Others Number Of Decontaminated:	Not Reported
Others Number Of Injuries:	Not Reported
Others Number Of Fatalities:	Not Reported
Vehicle Make/year:	Not Reported
Vehicle License Number:	Not Reported
Vehicle State:	Not Reported
Vehicle Id Number:	Not Reported
CA DOT PUC/ICC Number:	Not Reported
Company Name:	Not Reported
Reporting Officer Name/ID:	Not Reported
Report Date:	Not Reported
Facility Telephone:	Not Reported
Waterway Involved:	No
Waterway:	Not Reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not Reported
What Happened:	Not Reported
Type:	Not Reported

393 HARBOR BLVD, 393 HARBOR BLVD, OXNARD, CA (Continued)

Measure:	Gal(s)
Other:	Not Reported
Date/Time:	855
Year:	2013
Agency:	Genon West, LP-Mandalay Generating Station
Incident Date:	2/21/2013
Admin Agency:	Oxnard Fire Department
Amount:	Not Reported
Contained:	Yes
Site Type:	Not Reported
E Date:	Not Reported
Substance:	Hydraulic Oil
Quantity Released:	110
Unknown:	Not Reported
Substance #2:	Not Reported
Substance #3:	Not Reported
Evacuations:	Not Reported
Number of Injuries:	Not Reported
Number of Fatalities:	Not Reported
#1 Pipeline:	Not Reported
#2 Pipeline:	Not Reported
#3 Pipeline:	Not Reported
#1 Vessel >= 300 Tons:	Not Reported
#2 Vessel >= 300 Tons:	Not Reported
#3 Vessel >= 300 Tons:	Not Reported
Evacs:	Not Reported
Injuries:	Not Reported
Fatals:	Not Reported
Comments:	Not Reported
Description:	A newly installed gasket failed causing a release. There were no waterways affected. Clean up is in process.

MAP FINDINGS

GENON MANDALAY 393 NO. HARBOR BLVD, OXNARD, CA, 93035		1015888559
▲ A14	Target Property 10 ft. Above Sea Level	Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

FINDS: Other Standard Environmental Records

Registry ID: 110054084904

Environmental Interest/Information System:

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

MAP FINDINGS

MANDALAY GENERATING STATION L L C 393 N HARBOR BLVD SEE MAP, OXNARD, CA, 930350000		S113174154
▲ A15	Target Property 10 ft. Above Sea Level	Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

HAZNET: Other Standard Environmental Records

envid:	S113174154
Year:	2013
GEPAID:	CAR000038174
Contact:	SCOTT WARNOCK
Telephone:	8059845291
Mailing Name:	Not Reported
Mailing Address:	393 HARBOR BLVD
Mailing City,St,Zip:	OXNARD, CA 930351108
Gen County:	Ventura
TSD EPA ID:	TXD000838896
TSD County:	99
Waste Category:	Not Reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.44962
Facility County:	Not Reported

envid:	S113174154
Year:	2013
GEPAID:	CAR000038174
Contact:	SCOTT WARNOCK
Telephone:	8059845291
Mailing Name:	Not Reported
Mailing Address:	393 HARBOR BLVD
Mailing City,St,Zip:	OXNARD, CA 930351108
Gen County:	Ventura
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not Reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	25.02
Facility County:	Not Reported

envid:	S113174154
Year:	2013
GEPAID:	CAR000038174
Contact:	SCOTT WARNOCK
Telephone:	8059845291
Mailing Name:	Not Reported
Mailing Address:	393 HARBOR BLVD
Mailing City,St,Zip:	OXNARD, CA 930351108
Gen County:	Ventura

MANDALAY GENERATING STATION L L C, 393 N HARBOR BLVD SEE MAP, OXNARD, CA 930350000 (Continued)

TSD EPA ID:	WID003967148
TSD County:	Not Reported
Waste Category:	Not Reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.275
Facility County:	Not Reported
envid:	S113174154
Year:	2013
GEPAID:	CAR000038174
Contact:	SCOTT WARNOCK
Telephone:	8059845291
Mailing Name:	Not Reported
Mailing Address:	393 HARBOR BLVD
Mailing City,St,Zip:	OXNARD, CA 930351108
Gen County:	Ventura
TSD EPA ID:	WID003967148
TSD County:	Not Reported
Waste Category:	Not Reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	3.375
Facility County:	Not Reported
envid:	S113174154
Year:	2013
GEPAID:	CAR000038174
Contact:	SCOTT WARNOCK
Telephone:	8059845291
Mailing Name:	Not Reported
Mailing Address:	393 HARBOR BLVD
Mailing City,St,Zip:	OXNARD, CA 930351108
Gen County:	Ventura
TSD EPA ID:	WID003967148
TSD County:	Not Reported
Waste Category:	Not Reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Facility County:	Not Reported

The CA_HAZNET database contains 769 additional records for this site. Please contact your EDR Account Executive for more information.

MANDALAY GENERATING STATION 393 NORTH HARBOR BOULEVARD, OXNARD, CA, 93035		1001217615
▲ A16	Target Property 10 ft. Above Sea Level	Federal RCRA generators list Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

RCRA-LQG: Federal RCRA generators list

Date form received by agency:	07/23/2013
Facility name:	MANDALAY GENERATING STATION
Facility address:	393 NORTH HARBOR BOULEVARD OXNARD, CA 93035
EPA ID:	CAR000038174
Contact:	SCOTT G WARNOCK
Contact address:	6635 S EDISON DR OXNARD, CA 93033
Contact country:	US
Contact telephone:	805-986-7218
Contact email:	SCOTT.WARNOCK@NRGENERGY.COM
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	MANDALAY GENERATING STATION
Owner/operator address:	Not Reported
Owner/operator country:	US
Owner/operator telephone:	Not Reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	04/06/1998
Owner/Op end date:	Not Reported
Owner/operator name:	RELIANT ENERGY
Owner/operator address:	393 N. HARBOR BLVD OXNARD, CA 93035
Owner/operator country:	US
Owner/operator telephone:	Not Reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	06/01/1998

MANDALAY GENERATING STATION, 393 NORTH HARBOR BOULEVARD, OXNARD, CA 93035 (Continued)

Owner/Op end date:	Not Reported
Owner/operator name:	NRG CALIFORNIA S LP
Owner/operator address:	393 NORTH HARBOR BOULEVARD OXNARD, CA 93035
Owner/operator country:	US
Owner/operator telephone:	805-984-5201
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	05/28/2013
Owner/Op end date:	Not Reported
Owner/operator name:	RELIANT ENERGY
Owner/operator address:	Not Reported
Owner/operator country:	US
Owner/operator telephone:	Not Reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/01/1998
Owner/Op end date:	Not Reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	02/29/2012
Site name:	GENERATION STATION
Classification:	Large Quantity Generator
Date form received by agency:	03/28/2011
Site name:	MANDALAY GENERATING STATION
Classification:	Large Quantity Generator
Date form received by agency:	01/20/2010
Site name:	RRI ENERGY MANDALAY GENERATING STATION
Classification:	Large Quantity Generator

MANDALAY GENERATING STATION, 393 NORTH HARBOR BOULEVARD, OXNARD, CA 93035 (Continued)

Date form received by agency:	02/15/2008
Site name:	RELIANT ENERGY MANDALAY GENERATING STATION
Classification:	Large Quantity Generator
Date form received by agency:	02/23/2006
Site name:	RELIANT ENERGY MANDALAY GEN STATION
Classification:	Small Quantity Generator
Date form received by agency:	02/23/2006
Site name:	RELIANT ENERGY MANDALAY GEN STATION
Classification:	Large Quantity Generator
Date form received by agency:	02/20/2004
Site name:	RELIANT ENERGY MANDALAY GENERATING STATI
Classification:	Large Quantity Generator
Date form received by agency:	02/27/2002
Site name:	RELIANT ENERGY MANDALAY GENERATING STATI
Classification:	Large Quantity Generator
Date form received by agency:	10/12/2000
Site name:	RELIANT ENERGY MANDALAY L.L.C.
Classification:	Large Quantity Generator
Date form received by agency:	04/02/1998
Site name:	OCEAN VISTA POWER GENERATION
Classification:	Large Quantity Generator

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Waste code:	D003
Waste name:	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Waste code:	D005
Waste name:	BARIUM
Waste code:	D006
Waste name:	CADMIUM

MANDALAY GENERATING STATION, 393 NORTH HARBOR BOULEVARD, OXNARD, CA 93035 (Continued)

Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D008
Waste name:	LEAD
Waste code:	D009
Waste name:	MERCURY
Waste code:	U002
Waste name:	ACETONE (I)
Waste code:	U133
Waste name:	HYDRAZINE (R,T)
Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Waste code:	D006
Waste name:	CADMIUM
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D008
Waste name:	LEAD
Waste code:	D011
Waste name:	SILVER
Waste code:	F001
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

MANDALAY GENERATING STATION, 393 NORTH HARBOR BOULEVARD, OXNARD, CA 93035 (Continued)

Waste code:	F005
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	U133
Waste name:	HYDRAZINE (R,T)
Waste code:	U134
Waste name:	HYDROFLUORIC ACID (C,T)
Waste code:	D000
Waste name:	Not Defined
Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Waste code:	D008
Waste name:	LEAD
Waste code:	D009
Waste name:	MERCURY
Waste code:	D018
Waste name:	BENZENE
Waste code:	F001
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F002
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F003

MANDALAY GENERATING STATION, 393 NORTH HARBOR BOULEVARD, OXNARD, CA 93035 (Continued)

Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F005
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	151
Waste name:	151
Waste code:	181
Waste name:	181
Waste code:	221
Waste name:	221
Waste code:	261
Waste name:	261
Waste code:	343
Waste name:	343
Waste code:	352
Waste name:	352
Waste code:	791
Waste name:	791
Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Waste code:	D003
Waste name:	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Waste code:	D005

MANDALAY GENERATING STATION, 393 NORTH HARBOR BOULEVARD, OXNARD, CA 93035 (Continued)

Waste name:	BARIUM
Waste code:	D006
Waste name:	CADMIUM
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D008
Waste name:	LEAD
Waste code:	D009
Waste name:	MERCURY
Waste code:	U002
Waste name:	ACETONE (I)
Waste code:	U133
Waste name:	HYDRAZINE (R,T)
Waste code:	122
Waste name:	122
Waste code:	181
Waste name:	181
Waste code:	212
Waste name:	212
Waste code:	352
Waste name:	352
Waste code:	512
Waste name:	512
Waste code:	571
Waste name:	571
Waste code:	791
Waste name:	791
Waste code:	792
Waste name:	792
Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

MANDALAY GENERATING STATION, 393 NORTH HARBOR BOULEVARD, OXNARD, CA 93035 (Continued)

Waste code:	D006
Waste name:	CADMIUM
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D008
Waste name:	LEAD
Waste code:	D011
Waste name:	SILVER
Waste code:	F001
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F005
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	U133
Waste name:	HYDRAZINE (R,T)
Waste code:	U134
Waste name:	HYDROFLUORIC ACID (C,T)
Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	F002
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

MANDALAY GENERATING STATION, 393 NORTH HARBOR BOULEVARD, OXNARD, CA 93035 (Continued)

Waste code:	U133
Waste name:	HYDRAZINE (R,T)
Waste code:	181
Waste name:	181
Waste code:	213
Waste name:	213
Waste code:	221
Waste name:	221
Waste code:	331
Waste name:	331
Waste code:	352
Waste name:	352
Waste code:	512
Waste name:	512
Waste code:	791
Waste name:	791
Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D008
Waste name:	LEAD
Waste code:	D009
Waste name:	MERCURY
Waste code:	F001
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F003

MANDALAY GENERATING STATION, 393 NORTH HARBOR BOULEVARD, OXNARD, CA 93035 (Continued)

Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F005
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	U133
Waste name:	HYDRAZINE (R,T)
Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	U133
Waste name:	HYDRAZINE (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs):	80
Waste code:	D002

MANDALAY GENERATING STATION, 393 NORTH HARBOR BOULEVARD, OXNARD, CA 93035 (Continued)

Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs):	80
Waste code:	D006
Waste name:	CADMIUM
Amount (Lbs):	7225
Waste code:	D007
Waste name:	CHROMIUM
Amount (Lbs):	7225
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	5640
Waste code:	D011
Waste name:	SILVER
Amount (Lbs):	80
Waste code:	F001
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	525
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	525
Waste code:	F005
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	605
Waste code:	U133
Waste name:	HYDRAZINE (R,T)
Amount (Lbs):	1240
Waste code:	U134

MANDALAY GENERATING STATION, 393 NORTH HARBOR BOULEVARD, OXNARD, CA 93035 (Continued)

Waste name:	HYDROFLUORIC ACID (C,T)
Amount (Lbs):	80
Violation Status:	No violations found

Evaluation Action Summary:

Evaluation date:	02/15/2005
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State

FINDS: Other Standard Environmental Records

Registry ID: 110000517717

Environmental Interest/Information System:

CAMDBS (Clean Air Markets Division Business System) is a national information system that supports the implementation of market-based air pollution control programs administered by the Clean Air Markets Division, within the Office of Air and Radiation. These programs include the Acid Rain Program, established by Title IV of the Clean Air Act Amendments of 1990, and regional programs designed reduce the transport of ozone. These emissions trading programs allows regulated facilities (primarily electric utilities) to adopt the most cost-effective strategies to reduce emissions at their units. Units that reduce their emissions below the number of allowances they hold -- each allowance is equivalent to one ton of sulfur dioxide or nitrogen oxides -- may trade allowances with other units in their system, sell them to other utilities on the open market or through EPA auctions, or bank them to cover emissions in future years. CAMDBS functions include registering responsible officials, establishing allowance accounts, reporting hourly emissions data, and transferring allowances between accounts.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US Emissions & Generation Resource Database (EGRID) contains data on emissions and resource mix for virtually every power plant and company that generates electricity in the United States.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

STATE MASTER

ELECTRIC GENERATOR

HAZARDOUS WASTE BIENNIAL REPORTER

MANDALAY GENERATING STATION, 393 NORTH HARBOR BOULEVARD, OXNARD, CA 93035 (Continued)

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

SPCC

GREENHOUSE GAS REPORTER

MAP FINDINGS

MANDALAY GENERATING STATION 393 N. HARBOR BLVD., OXNARD, CA, 93030		1000167654
▲ A17	Target Property 10 ft. Above Sea Level	Federal RCRA TSD facilities list Federal RCRA generators list State and tribal registered storage tank lists Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

AIRS (AFS): Other Standard Environmental Records

Compliance and Violation Data Major Sources:

EPA plant ID:	110000517717
Plant name:	MANDALAY GENERATING STATION
Plant address:	393 N HARBOR BLVD OXNARD, CA 93035
County:	VENTURA
Region code:	09
Dunn & Bradst #:	Not Reported
Air quality cntrl region:	024
Sic code:	4911
Sic code desc:	ELECTRIC SERVICES
North Am. industrial classf:	221112
NAIC code description:	Fossil Fuel Electric Power Generation
Default compliance status:	IN COMPLIANCE - INSPECTION
Default classification:	ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not Reported

AIRS MINOR:

Compliance and Violation Data Major Sources:

EPA plant ID:	110000517717
Plant name:	MANDALAY GENERATING STATION
Plant address:	393 N HARBOR BLVD OXNARD, CA 93035
County:	VENTURA
Region code:	09
Dunn & Bradst #:	Not Reported
Air quality cntrl region:	024
Sic code:	4911
Sic code desc:	ELECTRIC SERVICES
North Am. industrial classf:	221112
NAIC code description:	Fossil Fuel Electric Power Generation
Default compliance status:	IN COMPLIANCE - INSPECTION

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

Default classification:	ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not Reported

RCRA-TSDF: Federal RCRA TSD facilities list

Date form received by agency:	03/04/1999
Facility name:	MANDALAY GENERATING STATION
Facility address:	393 N. HARBOR BLVD. OXNARD, CA 93030
EPA ID:	CAD000630913
Mailing address:	2244 WALNUT GROVE AVE ROOM 405 ROSEMEAD, CA 91770
Contact:	KATHRYN VANDERSLICE
Contact address:	Not Reported
Contact country:	Not Reported
Contact telephone:	(626) 302-9320
Contact email:	Not Reported
EPA Region:	09
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	10/20/1998
Site name:	MANDALAY GENERATING STATION
Classification:	Small Quantity Generator
Date form received by agency:	09/01/1996
Site name:	MANDALAY GENERATING STATION

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

Classification:	Small Quantity Generator
Date form received by agency:	02/27/1996
Site name:	SOUTHERN CALIFORNIA EDISON
Classification:	Large Quantity Generator
Date form received by agency:	02/28/1992
Site name:	SCE - MANDALAY G.S.
Classification:	Large Quantity Generator
Date form received by agency:	03/28/1990
Site name:	SO CALIF EDISON MANDALAY GEN SITE
Classification:	Large Quantity Generator

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	D008
Waste name:	LEAD
Waste code:	D018
Waste name:	BENZENE
Waste code:	F001
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F002
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F005

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated:	Not Reported
Area of violation:	TSD - Financial Requirements
Date violation determined:	06/12/2008
Date achieved compliance:	04/13/2010
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.170-177.I
Area of violation:	TSD - General
Date violation determined:	08/19/1998
Date achieved compliance:	08/21/1998
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	08/19/1998
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	State
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.50-56.D
Area of violation:	TSD - General
Date violation determined:	08/19/1998
Date achieved compliance:	08/21/1998
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	08/19/1998
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	State
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.90-94.F
Area of violation:	TSD IS-Ground-Water Monitoring

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

Date violation determined:	09/23/1993
Date achieved compliance:	02/03/1995
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.270-282.M
Area of violation:	TSD - General
Date violation determined:	09/23/1993
Date achieved compliance:	02/03/1995
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.30-37.C
Area of violation:	TSD - General
Date violation determined:	09/23/1993
Date achieved compliance:	02/03/1995
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 262.10-12.A
Area of violation:	Generators - General
Date violation determined:	09/23/1993
Date achieved compliance:	02/03/1995
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.220-230.K
Area of violation:	TSD - General
Date violation determined:	04/13/1993
Date achieved compliance:	02/03/1995
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.400-406.Q
Area of violation:	TSD IS-Chemical, Physical, AND Treatment
Date violation determined:	04/13/1993
Date achieved compliance:	02/03/1995
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported

Evaluation Action Summary:

Evaluation date:	06/12/2008
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	04/13/2010
Evaluation lead agency:	State
Evaluation date:	04/17/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	02/15/2005
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	08/19/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

Area of violation:	TSD - General
Date achieved compliance:	08/21/1998
Evaluation lead agency:	State
Evaluation date:	02/03/1995
Evaluation:	NOT A SIGNIFICANT NON-COMPLIER
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	09/23/1993
Evaluation:	SIGNIFICANT NON-COMPLIER
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	04/30/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/13/1993
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	TSD - General
Date achieved compliance:	02/03/1995
Evaluation lead agency:	State
Evaluation date:	04/13/1993
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	TSD IS-Ground-Water Monitoring
Date achieved compliance:	02/03/1995
Evaluation lead agency:	State
Evaluation date:	04/13/1993
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	Generators - General
Date achieved compliance:	02/03/1995
Evaluation lead agency:	State
Evaluation date:	04/13/1993
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	TSD IS-Chemical, Physical, AND Treatment
Date achieved compliance:	02/03/1995
Evaluation lead agency:	State

RCRA-SQG: Federal RCRA generators list

Date form received by agency:	03/04/1999
Facility name:	MANDALAY GENERATING STATION
Facility address:	393 N. HARBOR BLVD. OXNARD, CA 93030
EPA ID:	CAD000630913
Mailing address:	2244 WALNUT GROVE AVE ROOM 405

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

ROSEMEAD, CA 91770

Contact:	KATHRYN VANDERSLICE
Contact address:	Not Reported
Contact country:	Not Reported
Contact telephone:	(626) 302-9320
Contact email:	Not Reported
EPA Region:	09
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	10/20/1998
Site name:	MANDALAY GENERATING STATION
Classification:	Small Quantity Generator
Date form received by agency:	09/01/1996
Site name:	MANDALAY GENERATING STATION
Classification:	Small Quantity Generator
Date form received by agency:	02/27/1996
Site name:	SOUTHERN CALIFORNIA EDISON
Classification:	Large Quantity Generator
Date form received by agency:	02/28/1992
Site name:	SCE - MANDALAY G.S.
Classification:	Large Quantity Generator
Date form received by agency:	03/28/1990
Site name:	SO CALIF EDISON MANDALAY GEN SITE
Classification:	Large Quantity Generator

Hazardous Waste Summary:

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	D008
Waste name:	LEAD
Waste code:	D018
Waste name:	BENZENE
Waste code:	F001
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F002
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F005
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated:	Not Reported
Area of violation:	TSD - Financial Requirements
Date violation determined:	06/12/2008
Date achieved compliance:	04/13/2010
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.170-177.I
Area of violation:	TSD - General
Date violation determined:	08/19/1998
Date achieved compliance:	08/21/1998
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	08/19/1998
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	State
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.50-56.D
Area of violation:	TSD - General
Date violation determined:	08/19/1998
Date achieved compliance:	08/21/1998
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	08/19/1998
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	State
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.90-94.F
Area of violation:	TSD IS-Ground-Water Monitoring
Date violation determined:	09/23/1993
Date achieved compliance:	02/03/1995
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.270-282.M
Area of violation:	TSD - General
Date violation determined:	09/23/1993
Date achieved compliance:	02/03/1995

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.30-37.C
Area of violation:	TSD - General
Date violation determined:	09/23/1993
Date achieved compliance:	02/03/1995
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 262.10-12.A
Area of violation:	Generators - General
Date violation determined:	09/23/1993
Date achieved compliance:	02/03/1995
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	F - 264.220-230.K
Area of violation:	TSD - General
Date violation determined:	04/13/1993
Date achieved compliance:	02/03/1995
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

Regulation violated:	F - 264.400-406.Q
Area of violation:	TSD IS-Chemical, Physical, AND Treatment
Date violation determined:	04/13/1993
Date achieved compliance:	02/03/1995
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported

Evaluation Action Summary:

Evaluation date:	06/12/2008
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	04/13/2010
Evaluation lead agency:	State
Evaluation date:	04/17/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	02/15/2005
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	08/19/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	08/21/1998
Evaluation lead agency:	State
Evaluation date:	02/03/1995
Evaluation:	NOT A SIGNIFICANT NON-COMPLIER
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	09/23/1993
Evaluation:	SIGNIFICANT NON-COMPLIER
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	04/30/1993

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State Contractor/Grantee
Evaluation date:	04/13/1993
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	TSD - General
Date achieved compliance:	02/03/1995
Evaluation lead agency:	State
Evaluation date:	04/13/1993
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	TSD IS-Ground-Water Monitoring
Date achieved compliance:	02/03/1995
Evaluation lead agency:	State
Evaluation date:	04/13/1993
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	Generators - General
Date achieved compliance:	02/03/1995
Evaluation lead agency:	State
Evaluation date:	04/13/1993
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	TSD IS-Chemical, Physical, AND Treatment
Date achieved compliance:	02/03/1995
Evaluation lead agency:	State

US FIN ASSUR: Other Standard Environmental Records

EPA ID:	CAD000630913
Provider:	SOUTHERN CALIFORNIA EDISON CO.
EPA region:	9
County:	VENTURA
Mechanism type:	CORPORATE GUARANTEE
Mechanism ID:	1
Cost estimate:	2631000
Face value:	2631000
Effective date:	2010-03-30 00:00:00
EPA ID:	CAD000630913
Provider:	SOUTHERN CALIFORNIA EDISON CO.
EPA region:	9
County:	VENTURA
Mechanism type:	CORPORATE GUARANTEE
Mechanism ID:	2
Cost estimate:	2000000
Face value:	2000000
Effective date:	2010-11-07 00:00:00
EPA ID:	CAD000630913
Provider:	SOUTHERN CALIFORNIA EDISON CO.
EPA region:	9

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

County:	VENTURA
Mechanism type:	CORPORATE GUARANTEE
Mechanism ID:	FT002
Cost estimate:	1788000
Face value:	1788000
Effective date:	2011-03-31 00:00:00

CA WDS: Other Standard Environmental Records

Facility ID:	Santa Clara River 562019001
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CA0001180 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	8059845217
Facility Contact:	Ed Malinowski
Agency Name:	RELIANT ENERGY MANDALAY LLC
Agency Address:	Not Reported
Agency City,St,Zip:	0
Agency Contact:	Not Reported
Agency Telephone:	Not Reported
Agency Type:	Private
SIC Code:	4911
SIC Code 2:	Not Reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	PROCES
Waste Type2:	Not Reported
Waste2:	Process Waste (Waste produced as part of the industrial/manufacturing process)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not Reported
Secondary Waste Type:	Not Reported
Design Flow:	255
Baseline Flow:	255
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity:	Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Facility ID:	Santa Clara River 562019004
Facility Type:	Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not Reported
Subregion:	4
Facility Telephone:	8059845217
Facility Contact:	Ed Malinowski
Agency Name:	RELIANT ENERGY MANDALAY LLC
Agency Address:	Not Reported
Agency City,St,Zip:	0
Agency Contact:	Not Reported
Agency Telephone:	Not Reported
Agency Type:	Private
SIC Code:	4952
SIC Code 2:	Not Reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	DOMEST
Waste Type2:	Not Reported
Waste2:	Domestic Sewage
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not Reported
Secondary Waste Type:	Not Reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Facility ID:	4 56I016869
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	8059845217
Facility Contact:	Ed Malinowski
Agency Name:	RELIANT ENERGY MANDALAY LLC
Agency Address:	Not Reported
Agency City,St,Zip:	0
Agency Contact:	Not Reported
Agency Telephone:	Not Reported
Agency Type:	Private
SIC Code:	4911

MANDALAY GENERATING STATION, 393 N. HARBOR BLVD., OXNARD, CA 93030 (Continued)

SIC Code 2:	Not Reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	STORMS
Waste Type2:	Not Reported
Waste2:	Stormwater Runoff
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not Reported
Secondary Waste Type:	Not Reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

AST: State and tribal registered storage tank lists



Certified Unified Program Agencies:	Oxnard
Owner:	RELIANT ENERGY ORMOND BEACH
Total Gallons:	268,100

MAP FINDINGS

393 NORTH HARBOR BLVD 393 NORTH HARBOR BLVD, OXNARD, CA, 93035		2000537901
▲ A18	Target Property 10 ft. Above Sea Level	Federal ERNS list

Worksheet:

Impact on Target Property: VEC Exists

ERNS: Federal ERNS list

Site ID:	2000537901
Incident cause:	OTHER
Incident desc:	RETENTION POND, WHILE CLEANING THE POND A SMALL AMOUNT OF OIL WAS DISCHARGED INTO PACIFIC OCEAN
Incident type:	FIXED
Incident date:	20000807
Incident TG:	OCCURRED
Inc location:	Not Reported
Incident address:	393 NORTH HARBOR BLVD OXNARD, CA 93035
Distance from city:	Not Reported
Lat/Long:	/
Lat/Long quad:	/
Incident date:	08/07/2000
Township/section/range:	//
WMD flag:	False
Rad flag:	False
Oil flag:	True
Potential:	Not Reported
Amt material flag:	Not Reported
LNG flag:	Not Reported
Fire involved:	No
Fire extinguished:	Unknown
Any evacuees:	No
Number of evacs:	Not Reported
Who evacuated:	Not Reported
Radius of evacuation:	Not Reported
Any injuries:	No
Number injured:	Not Reported
Number hospitalized:	Not Reported
Any fatalities:	No
Any damage:	No
Damage amount:	Not Reported
Air corridor desc:	Not Reported
Air corridor closed:	Not Reported
Water description:	Not Reported
Water closed:	No
Water closed time:	Not Reported
Road closed:	No
Road closed desc:	Not Reported

393 NORTH HARBOR BLVD, 393 NORTH HARBOR BLVD, OXNARD, CA 93035 (Continued)

Road closed time:	Not Reported
Closure direction:	Not Reported
Major artery:	No
Track closed:	No
Track closed time:	Not Reported
Tr. close direction:	Not Reported
Track description:	Not Reported
Media interest:	NONE
Medium affected:	WATER
Additional medium:	Not Reported
Body of water:	PACIFIC OCEAN
Tributary:	Not Reported
Near river:	0
Release secured:	Unknown
Est. duration of rel.:	Not Reported
Release rate:	Not Reported
Rel. rate units:	Not Reported
Rel. per units:	Not Reported
Remedial action:	CO. STOPPED THE DISCHARGE IMMEDIATELY / SOME OF THE SHEEN HAS DISSIPATED WITH THE TIDES, REMAINING SHEEN WILL BE CONTAINED WITH A VAC TRUCK
Agency on scene:	Not Reported
Other agency:	Not Reported
State agency notified:	OXNARD FIRE/ CA OES
Fed. agency notified:	Not Reported
Structure name:	Not Reported
Structure type:	Not Reported
Struct. operator:	Not Reported
Weather:	OVERCAST
Air temp:	0
Wind speed:	0
Wind speed unit:	Not Reported
Wind direction:	Not Reported
Water contaminated:	Unknown
Sheen size:	Not Reported
Sheen size units:	Not Reported
Sheen color:	UNKNOWN
Sheen odor:	Not Reported
Sheen length:	8
Sheen len. units:	FEET
Sheen width:	4
Sheen wid. units:	INCHES
Wave condit:	Not Reported
Current speed:	Not Reported
Current speed units:	MPH
Current direction:	Not Reported
Water temp:	Not Reported
Allision:	Not Reported
Employees injured:	Not Reported
Employee fatalities:	Not Reported
Passengers injured:	Not Reported

393 NORTH HARBOR BLVD, 393 NORTH HARBOR BLVD, OXNARD, CA 93035 (Continued)

Passenger fatalities:	Not Reported
Occupant fatalities:	Not Reported
Community impact:	No
Offshore:	No
Addition info:	CALLER WILL NTIFY: CA FISH AND GAME / LOCAL CG / LOS ANGELES REGIONAL QUALITY CONTROL BD / CA OIL SPILL AND RESPONSE / US FISH & WILDLIFE SERVICES
Aircraft type:	Not Reported
Aircraft model:	Not Reported
Aircraft ID:	Not Reported
Aircraft fuel cap:	Not Reported
Capacity units:	Not Reported
Fuel onboard:	Not Reported
Fuel units:	Not Reported
Spot number:	Not Reported
AC hanger:	Not Reported
AC runway:	Not Reported
Mile marker:	Not Reported
Building ID:	Not Reported
Type fixed obj:	Not Reported
Power gen facility:	Not Reported
Generation capacity:	Not Reported
Fuel type:	Not Reported
NPDES:	Not Reported
NPDES compliance:	Not Reported
Pipe type:	Not Reported
DOT regulated:	Not Reported
Pipe above:	Not Reported
Exposed underwtr:	Not Reported
Pipe covered:	Not Reported
Railroad hotline:	Not Reported
Grade crossing:	Not Reported
Location subdivision:	Not Reported
Railroad milepost:	Not Reported
Vehicle type:	Not Reported
Crossing device:	Not Reported
Device operational:	Not Reported
DOT crossing #:	Not Reported
Brakes failed:	Not Reported
Tank description:	Not Reported
Above ground tank:	Not Reported
Tank regulated:	Not Reported
Tank ID:	Not Reported
Tank regulated by:	Not Reported
Tank capacity:	Not Reported
Capacity units:	Not Reported
Actual amount:	Not Reported
Amount units:	Not Reported
Transportable container:	Not Reported
Platform rig name:	Not Reported
Platform letter:	Not Reported

393 NORTH HARBOR BLVD, 393 NORTH HARBOR BLVD, OXNARD, CA 93035 (Continued)

Local area ID:	Not Reported
Local block ID:	Not Reported
OCSG number:	Not Reported
State lease #:	Not Reported
Pier dock #:	Not Reported
Berth slip #:	Not Reported
Initial continuous rel #:	Not Reported
Cont. rel permit:	Not Reported
Allision:	Not Reported
Structure type:	Not Reported
Structure:	Not Reported
Structure operator:	Not Reported
Air bag deployed:	Not Reported
Date time normal srvc:	Not Reported
Service disruption time:	Not Reported
Transit bus flag:	Not Reported
Begin date:	Not Reported
End date:	Not Reported
Change date:	Not Reported
Call received date:	20000807
Complete date:	20000807
Call Taker:	HNR4889
Call Type:	INC
Responsible Party:	JULIE BADCOCK
RP telephone:	8059845217
RP tel type:	PRIMARY
Responsible company:	RELIANT MANDELAY GENERATING STATION
RC organization type:	PRIVATE ENTERPRISE
PR address:	393 NORTH HARBOR BLVD OXNARD, CA 93035
Initial caller:	Not Reported
Initially reported comp.:	Not Reported
On behalf:	Yes
Source:	UNAVAILABLE
Spilled material:	WASTE OIL
Material CHRIS code:	OWA
Mat. CAS number:	000000-00-0
Material UN #:	Not Reported
Amount of spilled mat.:	5
Mat. amount unit:	GALLON(S)
Mat. reached water:	YES
Amount in water:	5
Amount in water units:	GALLON(S)

MAP FINDINGS

393 HARBOR BLVD 393 HARBOR BLVD, OXNARD, CA, 93035		1015464673
▲ A19	Target Property 10 ft. Above Sea Level	Historical Gas Stations

Worksheet:

Impact on Target Property: VEC Exists

EDR Historical Auto Stations: Historical Gas Stations

Name:	MANDALAY GENERATION STATION INC
Year:	2005
Address:	393 HARBOR BLVD

SOUTHERN CALIFORNIA EDISON INC 393 HARBOR BLVD, OXNARD, CA, 930351108		S112931507
▲ A20	Target Property 10 ft. Above Sea Level	Other Standard Environmental Records

Worksheet:

Impact on Target Property: VEC Exists

HAZNET: Other Standard Environmental Records

envid:	S112931507
Year:	2003
GEPAID:	CAC002567981
Contact:	JIM CARBONE
Telephone:	8053412367
Mailing Name:	Not Reported
Mailing Address:	10351 E FOOTHILL RD
Mailing City,St,Zip:	VENTURA, CA 93003
Gen County:	Not Reported
TSD EPA ID:	CAD050806850
TSD County:	Not Reported
Waste Category:	Polychlorinated biphenyls and material containing PCBs
Disposal Method:	Transfer Station
Tons:	0.45
Facility County:	Ventura

envid:	S112931507
Year:	2003
GEPAID:	CAC002567981
Contact:	JIM CARBONE
Telephone:	8053412367
Mailing Name:	Not Reported
Mailing Address:	10351 E FOOTHILL RD
Mailing City,St,Zip:	VENTURA, CA 93003
Gen County:	Not Reported
TSD EPA ID:	CAD050806850
TSD County:	Not Reported
Waste Category:	Not Reported
Disposal Method:	Transfer Station
Tons:	0.42
Facility County:	Ventura

UNOCAL - MANDALAY FACILITY 201 HARBOR, OXNARD, CA, 93035			S103546921
▲ 21	ESE <1/10	(154 ft. / 0.029 mi.)	State and tribal leaking storage tank lists
	20 ft. Higher Elevation	30 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Cannot Be Ruled Out

Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Topographically: YES

Geological Attributes - Hydraulic Barrier:

Other: YES

SLIC REG 4: State and tribal leaking storage tank lists

Region:	4
Facility Status:	No further action required
SLIC:	0510
Substance:	TPH/V
Staff:	Manjulika Chakarbarti

OXNARD DUNES SUBDIVISION HARBOR BLVD, OXNARD, CA, 93030			S106485428
▲ 22	ENE <1/10	(269 ft. / 0.051 mi.)	State and tribal leaking storage tank lists
	7 ft. Higher Elevation	17 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Cannot Be Ruled Out

Conditions:

Chemicals of Concern: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Topographically: YES

SLIC: State and tribal leaking storage tank lists

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	01/01/1965
Global Id:	SLT4302422
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	56290172
Latitude:	34.207461
Longitude:	-119.246879
Case Type:	Cleanup Program Site
Case Worker:	DDD
Local Agency:	Not Reported
RB Case Number:	0039
File Location:	DTSC
Potential Media Affected:	Not Reported
Potential Contaminants of Concern:	Not Reported
Site History:	Not Reported
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_SLIC_ST&global_id=SLT4302422

MAP FINDINGS

SCE - MANDALAY GENERATING STATION AST FARM 303 HARBOR, OXNARD, CA, 93030			S106387077
▲ B23	NNE <1/10	(351 ft. / 0.067 mi.)	State and tribal leaking storage tank lists
	7 ft. Higher Elevation	17 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Cannot Be Ruled Out

Conditions:

Chemicals of Concern: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

SLIC: State and tribal leaking storage tank lists

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/27/2003
Global Id:	SL204391557
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not Reported
Latitude:	34.182059
Longitude:	-119.232559
Case Type:	Cleanup Program Site
Case Worker:	Not Reported
Local Agency:	Not Reported
RB Case Number:	0710C
File Location:	Not Reported
Potential Media Affected:	Not Reported
Potential Contaminants of Concern:	Not Reported
Site History:	Not Reported
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_SLIC_ST&global_id=SL204391557

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0710C
Substance:	TPH
Staff:	Manjulika Chakarbarti

MAP FINDINGS

NORTH SHORE MANDALAY BAY 500 W. HARBOR BLVD, OXNARD, CA,			S106483950
▲ B24	NNE <1/10	(415 ft. / 0.079 mi.)	State and tribal leaking storage tank lists
	6 ft. Higher Elevation	16 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Cannot Be Ruled Out

Conditions:

Chemicals of Concern: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Topographically: YES

SLIC: State and tribal leaking storage tank lists

Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	06/30/2002
Global Id:	SL204581612
Lead Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number:	19000021
Latitude:	34.207461
Longitude:	-119.246879
Case Type:	Cleanup Program Site
Case Worker:	Not Reported
Local Agency:	Not Reported
RB Case Number:	Not Reported
File Location:	Not Reported
Potential Media Affected:	Not Reported
Potential Contaminants of Concern:	Not Reported
Site History:	CASE TRANSFERRED TO DTSC For More Information See the DTSC Envirostor database at: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id= 19000021
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_SLIC_ST&global_id=SL204581612

EPTC-MANDALAY 373 N HARBOR BLVD, OXNARD, CA, 930300000			S103655943
▲ B25	NNE <1/10	(465 ft. / 0.088 mi.)	Other Standard Environmental Records
	6 ft. Higher Elevation	16 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Cannot Be Ruled Out

Conditions:

Chemicals of Concern: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Topographically: YES

HWP: Other Standard Environmental Records

EPA Id:	CAD000630913
Cleanup Status:	UNDERGOING CLOSURE
Latitude:	34.16956
Longitude:	-119.2304
Facility Type:	Historical - Non-Operating
Facility Size:	Not Reported
Team:	Not Reported
Supervisor:	Not Reported
Site Code:	400439
Assembly District:	44
Senate District:	19
Public Information Officer:	Not Reported

Closure:

EPA Id:	CAD000630913
Facility Type:	Historical - Non-Operating
Unit Names:	Wastewater Retention Basin BCCB, Wastewater Retention Basin North, Wastewater Retention Basin South
Event Description:	Closure - PUBLIC COMMENT (BEGIN)
Actual Date:	11/06/2007
EPA Id:	CAD000630913
Facility Type:	Historical - Non-Operating
Unit Names:	Wastewater Retention Basin BCCB, Wastewater Retention Basin North, Wastewater Retention Basin South
Event Description:	Closure - PUBLIC COMMENT (END)
Actual Date:	11/06/2007
EPA Id:	CAD000630913
Facility Type:	Historical - Non-Operating
Unit Names:	Wastewater Retention Basin BCCB, Wastewater Retention Basin North, Wastewater Retention Basin South
Event Description:	Closure - CLOSURE PLAN RECEIVED
Actual Date:	09/24/2007
EPA Id:	CAD000630913
Facility Type:	Historical - Non-Operating

EPTC-MANDALAY, 373 N HARBOR BLVD, OXNARD, CA 930300000 (Continued)

Unit Names:	Wastewater Retention Basin BCCB, Wastewater Retention Basin North, Wastewater Retention Basin South
Event Description:	Closure - CLOSURE PLAN APPROVED
Actual Date:	04/08/2008

Alias:

EPA Id:	CAD000630913
Facility Type:	Historical - Non-Operating
Alias Type:	Project Code (Site Code)
Alias:	400439
EPA Id:	CAD000630913
Facility Type:	Historical - Non-Operating
Alias Type:	Alternate Name
Alias:	SCE Mandalay
EPA Id:	CAD000630913
Facility Type:	Historical - Non-Operating
Alias Type:	Alternate Name
Alias:	Reliant Energy Mandalay
EPA Id:	CAD000630913
Facility Type:	Historical - Non-Operating
Alias Type:	FRS
Alias:	110018952365

CHMIRS: Other Standard Environmental Records



OES Incident Number:	02-2492
OES notification:	05/08/2002
OES Date:	Not Reported
OES Time:	Not Reported
Incident Date:	Not Reported
Date Completed:	Not Reported
Property Use:	Not Reported
Agency Id Number:	Not Reported
Agency Incident Number:	Not Reported
Time Notified:	Not Reported
Time Completed:	Not Reported
Surrounding Area:	Not Reported
Estimated Temperature:	Not Reported
Property Management:	Not Reported
More Than Two Substances Involved?:	Not Reported
Resp Agncy Personel # Of Decontaminated:	Not Reported
Responding Agency Personel # Of Injuries:	Not Reported
Responding Agency Personel # Of Fatalities:	Not Reported
Others Number Of Decontaminated:	Not Reported
Others Number Of Injuries:	Not Reported

EPTC-MANDALAY, 373 N HARBOR BLVD, OXNARD, CA 930300000 (Continued)

Others Number Of Fatalities:	Not Reported
Vehicle Make/year:	Not Reported
Vehicle License Number:	Not Reported
Vehicle State:	Not Reported
Vehicle Id Number:	Not Reported
CA DOT PUC/ICC Number:	Not Reported
Company Name:	Not Reported
Reporting Officer Name/ID:	Not Reported
Report Date:	Not Reported
Facility Telephone:	Not Reported
Waterway Involved:	Yes
Waterway:	Pacific Ocean
Spill Site:	Not Reported
Cleanup By:	Reporting Party
Containment:	Not Reported
What Happened:	Not Reported
Type:	Not Reported
Measure:	Not Reported
Other:	Not Reported
Date/Time:	Not Reported
Year:	2002
Agency:	So Cal Edison
Incident Date:	5/8/200212:00:00 AM
Admin Agency:	Oxnard Fire Department
Amount:	Not Reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not Reported
Substance:	No 6 Fuel Oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not Reported
Substance #3:	Not Reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not Reported
#2 Pipeline:	Not Reported
#3 Pipeline:	Not Reported
#1 Vessel >= 300 Tons:	Not Reported
#2 Vessel >= 300 Tons:	Not Reported
#3 Vessel >= 300 Tons:	Not Reported
Evacs:	Not Reported
Injuries:	Not Reported
Fatals:	Not Reported
Comments:	Not Reported
Description:	Per caller, during a decommissioning of a marine pipeline the substance was released.

MAP FINDINGS

RECORD SOURCES AND CURRENCY

To maintain currency of the following databases, EDR contacts the appropriate agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

PRP: Potentially Responsible Parties
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Number of Days to Update: 3
Last EDR Contact :12/29/2015

Source: EPA
Telephone: 202-564-6023

RMP: Risk Management Plans
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2014
Number of Days to Update: 86
Last EDR Contact :10/27/2014

Source: Environmental Protection Agency
Telephone: 202-564-8600

ALAMEDA CO. UST: Underground Tanks
Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in Alameda county.

Date of Government Version: 10/21/2014
Number of Days to Update: 38
Last EDR Contact :12/29/2014

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

AST: Aboveground Petroleum Storage Tank Facilities
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009
Number of Days to Update: 21
Last EDR Contact :12/23/2014

Source: California Environmental Protection Agency
Telephone: 916-327-5092

Alameda County CS: Contaminated Sites
Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

RECORD SOURCES AND CURRENCY

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/21/2014
Number of Days to Update: 35
Last EDR Contact :12/29/2014

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

CA BOND EXP. PLAN: Bond Expenditure Plan

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Number of Days to Update: 6
Last EDR Contact :05/31/1994

Source: Department of Health Services
Telephone: 916-255-2118

CA FID UST: Facility Inventory Database

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Number of Days to Update: 24
Last EDR Contact :12/28/1998

Source: California Environmental Protection Agency
Telephone: 916-341-5851

CA LA LF: City of Los Angeles Landfills

Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Number of Days to Update: 29
Last EDR Contact :10/17/2014

Source: Engineering & Construction Division
Telephone: 213-473-7869

CDL: Clandestine Drug Labs

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2014
Number of Days to Update: 22
Last EDR Contact :01/12/2015

Source: Department of Toxic Substances Control
Telephone: 916-255-6504

CHMIRS: California Hazardous Material Incident Report System

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 10/27/2014
Number of Days to Update: 42
Last EDR Contact :10/29/2014

Source: Office of Emergency Services
Telephone: 916-845-8400

CONTRA COSTA CO. SITE LIST: Site List
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/17/2014
Number of Days to Update: 48
Last EDR Contact :11/03/2014

Source: Contra Costa Health Services Department
Telephone: 925-646-2286

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/29/2014
Number of Days to Update: 50
Last EDR Contact :12/29/2014

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400

CUPA AMADOR: CUPA Facility List
Standard Environmental Record Source: Other Standard Environmental Records
Cupa Facility List

Date of Government Version: 09/08/2014
Number of Days to Update: 15
Last EDR Contact :12/05/2014

Source: Amador County Environmental Health
Telephone: 209-223-6439

CUPA BUTTE: CUPA Facility Listing
Standard Environmental Record Source: Other Standard Environmental Records
Cupa facility list.

Date of Government Version: 11/20/2014
Number of Days to Update: 44
Last EDR Contact :01/12/2015

Source: Public Health Department
Telephone: 530-538-7149

CUPA CALVERAS: CUPA Facility Listing
Standard Environmental Record Source: Other Standard Environmental Records
Cupa Facility Listing

Date of Government Version: 10/06/2014
Number of Days to Update: 43
Last EDR Contact :01/12/2015

Source: Calveras County Environmental Health
Telephone: 209-754-6399

CUPA COLUSA: CUPA Facility List
Standard Environmental Record Source: Other Standard Environmental Records
Cupa facility list.

Date of Government Version: 06/11/2014
Number of Days to Update: 24

Source: Health & Human Services
Telephone: 530-458-0396

Last EDR Contact :11/07/2014

CUPA DEL NORTE: CUPA Facility List
Standard Environmental Record Source: Other Standard Environmental Records
Cupa Facility list

Date of Government Version: 11/03/2014
Number of Days to Update: 38
Last EDR Contact :11/03/2014
Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426

CUPA EL DORADO: CUPA Facility List
Standard Environmental Record Source: Other Standard Environmental Records
CUPA facility list.

Date of Government Version: 11/19/2014
Number of Days to Update: 38
Last EDR Contact :11/03/2014
Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623

CUPA FRESNO: CUPA Resources List
Standard Environmental Record Source: Other Standard Environmental Records
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 09/30/2014
Number of Days to Update: 36
Last EDR Contact :01/05/2015
Source: Dept. of Community Health
Telephone: 559-445-3271

CUPA HUMBOLDT: CUPA Facility List
Standard Environmental Record Source: Other Standard Environmental Records
CUPA facility list.

Date of Government Version: 09/10/2014
Number of Days to Update: 14
Last EDR Contact :11/26/2014
Source: Humboldt County Environmental Health
Telephone: Not Reported

CUPA IMPERIAL: CUPA Facility List
Standard Environmental Record Source: Other Standard Environmental Records
Cupa facility list.

Date of Government Version: 11/03/2014
Number of Days to Update: 38
Last EDR Contact :10/27/2014
Source: San Diego Border Field Office
Telephone: 760-339-2777

CUPA INYO: CUPA Facility List
Standard Environmental Record Source: Other Standard Environmental Records
Cupa facility list.

Date of Government Version: 09/10/2013
Number of Days to Update: 33
Last EDR Contact :11/19/2014
Source: Inyo County Environmental Health Services
Telephone: 760-878-0238

CUPA KINGS: CUPA Facility List
Standard Environmental Record Source: Other Standard Environmental Records

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/21/2014
Number of Days to Update: 35
Last EDR Contact :11/21/2014
Source: Kings County Department of Public Health
Telephone: 559-584-1411

CUPA LAKE: CUPA Facility List

Standard Environmental Record Source: Other Standard Environmental Records

Cupa facility list

Date of Government Version: 10/20/2014
Number of Days to Update: 76
Last EDR Contact :10/20/2014
Source: Lake County Environmental Health
Telephone: 707-263-1164

CUPA MADERA: CUPA Facility List

Standard Environmental Record Source: Other Standard Environmental Records

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 10/02/2014
Number of Days to Update: 48
Last EDR Contact :11/26/2014
Source: Madera County Environmental Health
Telephone: 559-675-7823

CUPA MERCED: CUPA Facility List

Standard Environmental Record Source: Other Standard Environmental Records

CUPA facility list.

Date of Government Version: 11/25/2014
Number of Days to Update: 33
Last EDR Contact :11/21/2014
Source: Merced County Environmental Health
Telephone: 209-381-1094

CUPA MONO: CUPA Facility List

Standard Environmental Record Source: Other Standard Environmental Records

CUPA Facility List

Date of Government Version: 09/02/2014
Number of Days to Update: 19
Last EDR Contact :11/26/2014
Source: Mono County Health Department
Telephone: 760-932-5580

CUPA MONTEREY: CUPA Facility Listing

Standard Environmental Record Source: Other Standard Environmental Records

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/09/2014
Number of Days to Update: 28
Last EDR Contact :11/26/2014
Source: Monterey County Health Department
Telephone: 831-796-1297

CUPA NEVADA: CUPA Facility List

Standard Environmental Record Source: Other Standard Environmental Records

CUPA facility list.

Date of Government Version: 09/16/2014
Number of Days to Update: 7
Last EDR Contact :12/15/2014

Source: Community Development Agency
Telephone: 530-265-1467

CUPA SAN LUIS OBISPO: CUPA Facility List
Standard Environmental Record Source: Other Standard Environmental Records
Cupa Facility List.

Date of Government Version: 11/21/2014
Number of Days to Update: 36
Last EDR Contact :11/21/2014

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596

CUPA SANTA BARBARA: CUPA Facility Listing
Standard Environmental Record Source: Other Standard Environmental Records
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Number of Days to Update: 28
Last EDR Contact :11/19/2014

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167

CUPA SANTA CLARA: Cupa Facility List
Standard Environmental Record Source: Other Standard Environmental Records
Cupa facility list

Date of Government Version: 11/25/2014
Number of Days to Update: 34
Last EDR Contact :11/21/2014

Source: Department of Environmental Health
Telephone: 408-918-1973

CUPA SANTA CRUZ: CUPA Facility List
Standard Environmental Record Source: Other Standard Environmental Records
CUPA facility listing.

Date of Government Version: 11/24/2014
Number of Days to Update: 36
Last EDR Contact :11/21/2014

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761

CUPA SHASTA: CUPA Facility List
Standard Environmental Record Source: Other Standard Environmental Records
Cupa Facility List.

Date of Government Version: 09/16/2014
Number of Days to Update: 34
Last EDR Contact :11/26/2014

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789

CUPA SONOMA: Cupa Facility List
Standard Environmental Record Source: Other Standard Environmental Records
Cupa Facility list

Date of Government Version: 09/30/2014
Number of Days to Update: 49
Last EDR Contact :12/29/2014

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174

RECORD SOURCES AND CURRENCY

CUPA TUOLUMNE: CUPA Facility List

Standard Environmental Record Source: Other Standard Environmental Records

Cupa facility list

Date of Government Version: 10/28/2014
Number of Days to Update: 44
Last EDR Contact :10/27/2014

Source: Divison of Environmental Health
Telephone: 209-533-5633

CUPA YUBA: CUPA Facility List

Standard Environmental Record Source: Other Standard Environmental Records

CUPA facility listing for Yuba County.

Date of Government Version: 11/17/2014
Number of Days to Update: 42
Last EDR Contact :11/17/2014

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523

DEED: Deed Restriction Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/08/2014
Number of Days to Update: 42
Last EDR Contact :12/09/2014

Source: DTSC and SWRCB
Telephone: 916-323-3400

DRYCLEANERS: Cleaner Facilities

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.25 Mile

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 06/28/2014
Number of Days to Update: 49
Last EDR Contact :12/22/2014

Source: Department of Toxic Substance Control
Telephone: 916-327-4498

EL SEGUNDO UST: City of El Segundo Underground Storage Tank

Standard Environmental Record Source: State and tribal registered storage tank lists

Underground storage tank sites located in El Segundo city.

Date of Government Version: 10/20/2014
Number of Days to Update: 54
Last EDR Contact :10/20/2014

Source: City of El Segundo Fire Department
Telephone: 310-524-2236

EMI: Emissions Inventory Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012
Number of Days to Update: 34
Last EDR Contact :12/24/2014

Source: California Air Resources Board
Telephone: 916-322-2990

ENF: Enforcement Action Listing

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/10/2014
Number of Days to Update: 30
Last EDR Contact :11/07/2014

Source: State Water Resoruces Control Board
Telephone: 916-445-9379

ENVIROSTOR: EnviroStor Database

Standard Environmental Record Source: State and tribal - equivalent CERCLIS
Search Distance: 0.333 Mile

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 11/03/2014
Number of Days to Update: 38
Last EDR Contact :11/04/2014

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

HAULERS: Registered Waste Tire Haulers Listing

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of registered waste tire haulers.

Date of Government Version: 09/08/2014
Number of Days to Update: 43
Last EDR Contact :11/12/2014

Source: Integrated Waste Management Board
Telephone: 916-341-6422

HAZNET: Facility and Manifest Data

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2013
Number of Days to Update: 35
Last EDR Contact :01/16/2015

Source: California Environmental Protection Agency
Telephone: 916-255-1136

HIST CAL-SITES: Calsites Database

Standard Environmental Record Source: State and tribal - equivalent CERCLIS

Search Distance: 0.333 Mile

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Number of Days to Update: 21
Last EDR Contact :02/23/2009

Source: Department of Toxic Substance Control
Telephone: 916-323-3400

HIST CORTESE: Hazardous Waste & Substance Site List

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Number of Days to Update: 76
Last EDR Contact :01/22/2009

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Number of Days to Update: 22
Last EDR Contact :03/23/2009

Source: Santa Clara Valley Water District
Telephone: 408-265-2600

HIST UST: Hazardous Substance Storage Container Database

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Number of Days to Update: 18
Last EDR Contact :07/26/2001

Source: State Water Resources Control Board
Telephone: 916-341-5851

HWP: EnviroStor Permitted Facilities Listing

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/24/2014
Number of Days to Update: 35
Last EDR Contact :11/25/2014

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

HWT: Registered Hazardous Waste Transporter Database

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/14/2014
Number of Days to Update: 35
Last EDR Contact :01/13/2015

Source: Department of Toxic Substances Control
Telephone: 916-440-7145

KERN CO. UST: Underground Storage Tank Sites & Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists

Kern County Sites and Tanks Listing.

Date of Government Version: 07/22/2014
Number of Days to Update: 37
Last EDR Contact :11/05/2014

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700

LA Co. Site Mitigation: Site Mitigation List

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/07/2014
Number of Days to Update: 28
Last EDR Contact :10/17/2014

Source: Community Health Services
Telephone: 323-890-7806

LDS: Land Disposal Sites Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 12/12/2014
Number of Days to Update: 21
Last EDR Contact :12/15/2014

Source: State Water Qualilty Control Board
Telephone: 866-480-1028

LIENS: Environmental Liens Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 10/02/2014
Number of Days to Update: 48
Last EDR Contact :12/05/2014

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

LONG BEACH UST: City of Long Beach Underground Storage Tank

Standard Environmental Record Source: State and tribal registered storage tank lists

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 07/28/2014
Number of Days to Update: 23
Last EDR Contact :10/27/2014

Source: City of Long Beach Fire Department
Telephone: 562-570-2563

LOS ANGELES CO. HMS: HMS: Street Number List

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/31/2014
Number of Days to Update: 41
Last EDR Contact :01/12/2015

Source: Department of Public Works
Telephone: 626-458-3517

LOS ANGELES CO. LF: List of Solid Waste Facilities

Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/20/2014
Number of Days to Update: 51
Last EDR Contact :10/22/2014

Source: La County Department of Public Works
Telephone: 818-458-5185

LUST: Geotracker's Leaking Underground Fuel Tank Report

Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 12/12/2014
Number of Days to Update: 21
Last EDR Contact :12/15/2014

Source: State Water Resources Control Board
Telephone: see region list

LUST REG 1: Active Toxic Site Investigation

Standard Environmental Record Source: State and tribal leaking storage tank lists
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Number of Days to Update: 29
Last EDR Contact :08/01/2011

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769

LUST REG 2: Fuel Leak List

Standard Environmental Record Source: State and tribal leaking storage tank lists
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Number of Days to Update: 30
Last EDR Contact :09/19/2011

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433

LUST REG 3: Leaking Underground Storage Tank Database

Standard Environmental Record Source: State and tribal leaking storage tank lists
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786

Last EDR Contact :07/18/2011

LUST REG 4: Underground Storage Tank Leak List

Standard Environmental Record Source: State and tribal leaking storage tank lists

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Number of Days to Update: 35
Telephone: 213-576-6710
Last EDR Contact :09/06/2011

LUST REG 5: Leaking Underground Storage Tank Database

Standard Environmental Record Source: State and tribal leaking storage tank lists

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Source: California Regional Water Quality Control Board Central Valley Region (5)
Number of Days to Update: 9
Telephone: 916-464-4834
Last EDR Contact :07/01/2011

LUST REG 6L: Leaking Underground Storage Tank Case Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Source: California Regional Water Quality Control Board Lahontan Region (6)
Number of Days to Update: 27
Telephone: 530-542-5572
Last EDR Contact :09/12/2011

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Number of Days to Update: 22
Telephone: 760-241-7365
Last EDR Contact :09/12/2011

LUST REG 7: Leaking Underground Storage Tank Case Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Number of Days to Update: 27
Telephone: 760-776-8943
Last EDR Contact :08/01/2011

LUST REG 8: Leaking Underground Storage Tanks

Standard Environmental Record Source: State and tribal leaking storage tank lists

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Source: California Regional Water Quality Control Board Santa Ana Region (8)

Number of Days to Update: 41
Telephone: 909-782-4496
Last EDR Contact :08/15/2011

LUST REG 9: Leaking Underground Storage Tank Report

Standard Environmental Record Source: State and tribal leaking storage tank lists

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Source: California Regional Water Quality Control Board San Diego Region (9)
Number of Days to Update: 28
Telephone: 858-637-5595
Last EDR Contact :09/26/2011

LUST SANTA CLARA: LOP Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Source: Department of Environmental Health
Number of Days to Update: 13
Telephone: 408-918-3417
Last EDR Contact :11/25/2014

MARIN CO. UST: Underground Storage Tank Sites

Standard Environmental Record Source: State and tribal registered storage tank lists

Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014
Source: Public Works Department Waste Management
Number of Days to Update: 54
Telephone: 415-499-6647
Last EDR Contact :01/05/2015

MCS: Military Cleanup Sites Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 12/12/2014
Source: State Water Resources Control Board
Number of Days to Update: 21
Telephone: 866-480-1028
Last EDR Contact :12/15/2014

MED WASTE VENTURA: Medical Waste Program List

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2014
Source: Ventura County Resource Management Agency
Number of Days to Update: 44
Telephone: 805-654-2813
Last EDR Contact :10/27/2014

MWMP: Medical Waste Management Program Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/20/2014
Number of Days to Update: 43
Last EDR Contact :12/09/2014
Source: Department of Public Health
Telephone: 916-558-1784

NAPA CO. LUST: Sites With Reported Contamination

Standard Environmental Record Source: State and tribal leaking storage tank lists

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Number of Days to Update: 63
Last EDR Contact :11/25/2014
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

NAPA CO. UST: Closed and Operating Underground Storage Tank Sites

Standard Environmental Record Source: State and tribal registered storage tank lists

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Number of Days to Update: 23
Last EDR Contact :11/25/2014
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

NOTIFY 65: Proposition 65 Records

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Number of Days to Update: 18
Last EDR Contact :12/18/2014
Source: State Water Resources Control Board
Telephone: 916-445-3846

NPDES: NPDES Permits Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/17/2014
Number of Days to Update: 40
Last EDR Contact :11/19/2014
Source: State Water Resources Control Board
Telephone: 916-445-9379

ORANGE CO. LUST: List of Underground Storage Tank Cleanups

Standard Environmental Record Source: State and tribal leaking storage tank lists

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/01/2014
Number of Days to Update: 30
Last EDR Contact :11/05/2014
Source: Health Care Agency
Telephone: 714-834-3446

ORANGE CO. UST: List of Underground Storage Tank Facilities

Standard Environmental Record Source: State and tribal registered storage tank lists

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/01/2014
Number of Days to Update: 35
Last EDR Contact :11/10/2014
Source: Health Care Agency
Telephone: 714-834-3446

Orange Co. Industrial Site: List of Industrial Site Cleanups
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Petroleum and non-petroleum spills.

Date of Government Version: 11/01/2014
Number of Days to Update: 30
Last EDR Contact :11/05/2014
Source: Health Care Agency
Telephone: 714-834-3446

PLACER CO. MS: Master List of Facilities
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/22/2014
Number of Days to Update: 59
Last EDR Contact :12/05/2014
Source: Placer County Health and Human Services
Telephone: 530-745-2363

PROC: Certified Processors Database
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

A listing of certified processors.

Date of Government Version: 09/16/2014
Number of Days to Update: 36
Last EDR Contact :12/15/2014
Source: Department of Conservation
Telephone: 916-323-3836

RESPONSE: State Response Sites
Standard Environmental Record Source: State and tribal - equivalent NPL
Search Distance: 0.333 Mile

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 11/03/2014
Number of Days to Update: 38
Last EDR Contact :11/04/2014
Source: Department of Toxic Substances Control
Telephone: 916-323-3400

RIVERSIDE CO. LUST: Listing of Underground Tank Cleanup Sites
Standard Environmental Record Source: State and tribal leaking storage tank lists
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/08/2014
Number of Days to Update: 41
Last EDR Contact :12/22/2014
Source: Department of Environmental Health
Telephone: 951-358-5055

RIVERSIDE CO. UST: Underground Storage Tank Tank List

Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/08/2014
Number of Days to Update: 46
Last EDR Contact :12/22/2014

Source: Department of Environmental Health
Telephone: 951-358-5055

SAN DIEGO CO. HMMD: Hazardous Materials Management Division Database
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Number of Days to Update: 23
Last EDR Contact :12/04/2014

Source: Hazardous Materials Management Division
Telephone: 619-338-2268

SAN DIEGO CO. LF: Solid Waste Facilities
Standard Environmental Record Source: State and tribal landfill / solid waste disposal
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014
Number of Days to Update: 38
Last EDR Contact :10/27/2014

Source: Department of Health Services
Telephone: 619-338-2209

SAN DIEGO CO. SAM: Environmental Case Listing
Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Number of Days to Update: 24
Last EDR Contact :12/04/2014

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371

SAN FRANCISCO CO. LUST: Local Oversite Facilities
Standard Environmental Record Source: State and tribal leaking storage tank lists
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Number of Days to Update: 10
Last EDR Contact :11/05/2014

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

SAN FRANCISCO CO. UST: Underground Storage Tank Information
Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920

Last EDR Contact :11/05/2014

SAN JOSE HAZMAT: Hazardous Material Facilities

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/10/2014
Source: City of San Jose Fire Department
Number of Days to Update: 35
Telephone: 408-535-7694
Last EDR Contact :11/07/2014

SAN MATEO CO. LUST: Fuel Leak List

Standard Environmental Record Source: State and tribal leaking storage tank lists

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/15/2014
Source: San Mateo County Environmental Health Services Division
Number of Days to Update: 36
Telephone: 650-363-1921
Last EDR Contact :12/11/2014

SCH: School Property Evaluation Program

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 11/03/2014
Source: Department of Toxic Substances Control
Number of Days to Update: 38
Telephone: 916-323-3400
Last EDR Contact :11/04/2014

SLIC: Statewide SLIC Cases

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 12/12/2014
Source: State Water Resources Control Board
Number of Days to Update: 21
Telephone: 866-480-1028
Last EDR Contact :12/15/2014

SLIC REG 1: Active Toxic Site Investigations

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Source: California Regional Water Quality Control Board, North Coast Region (1)
Number of Days to Update: 18
Telephone: 707-576-2220
Last EDR Contact :08/01/2011

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Number of Days to Update: 30
Telephone: 510-286-0457
Last EDR Contact :09/19/2011

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Source: California Regional Water Quality Control Board Central Coast Region (3)
Number of Days to Update: 28
Telephone: 805-549-3147
Last EDR Contact :07/18/2011

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Source: Region Water Quality Control Board Los Angeles Region (4)
Number of Days to Update: 47
Telephone: 213-576-6600
Last EDR Contact :07/01/2011

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Source: Regional Water Quality Control Board Central Valley Region (5)
Number of Days to Update: 16
Telephone: 916-464-3291
Last EDR Contact :09/12/2011

SLIC REG 6L: SLIC Sites

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Source: California Regional Water Quality Control Board, Lahontan Region
Number of Days to Update: 35
Telephone: 530-542-5574
Last EDR Contact :08/15/2011

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Source: Regional Water Quality Control Board, Victorville Branch
Number of Days to Update: 22
Telephone: 619-241-6583
Last EDR Contact :08/15/2011

SLIC REG 7: SLIC List

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Source: California Regional Quality Control Board, Colorado River Basin Region
Number of Days to Update: 36
Telephone: 760-346-7491
Last EDR Contact :08/01/2011

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Source: California Region Water Quality Control Board Santa Ana Region (8)
Number of Days to Update: 11
Telephone: 951-782-3298
Last EDR Contact :09/12/2011

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Source: California Regional Water Quality Control Board San Diego Region (9)
Number of Days to Update: 17
Telephone: 858-467-2980
Last EDR Contact :08/08/2011

SOLANO CO. LUST: Leaking Underground Storage Tanks

Standard Environmental Record Source: State and tribal leaking storage tank lists

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/17/2014
Source: Solano County Department of Environmental Management
Number of Days to Update: 42
Telephone: 707-784-6770
Last EDR Contact :12/11/2014

SOLANO CO. UST: Underground Storage Tanks

Standard Environmental Record Source: State and tribal registered storage tank lists

Underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2014
Source: Solano County Department of Environmental Management
Number of Days to Update: 29
Telephone: 707-784-6770
Last EDR Contact :12/11/2014

SONOMA CO. LUST: Leaking Underground Storage Tank Sites

Standard Environmental Record Source: State and tribal leaking storage tank lists

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/01/2014
Source: Department of Health Services
Number of Days to Update: 48
Telephone: 707-565-6565
Last EDR Contact :12/29/2014

SUTTER CO. UST: Underground Storage Tanks

Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in Sutter county.

Date of Government Version: 09/08/2014
Number of Days to Update: 45
Last EDR Contact :12/05/2014

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

SWEEPS UST: SWEEPS UST Listing
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

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

Date of Government Version: 06/01/1994
Number of Days to Update: 35
Last EDR Contact :06/03/2005

Source: State Water Resources Control Board
Telephone: Not Reported

SWF/LF (SWIS): Solid Waste Information System
Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Search Distance: 0.333 Mile

Active, Closed and Inactive Landfills.SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills.These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteriafor solid waste landfills or disposal sites.

Date of Government Version: 11/17/2014
Number of Days to Update: 35
Last EDR Contact :11/19/2014

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320

SWRCY: Recycler Database
Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Search Distance: 0.333 Mile

A listing of recycling facilities in California.

Date of Government Version: 09/16/2014
Number of Days to Update: 36
Last EDR Contact :12/15/2014

Source: Department of Conservation
Telephone: 916-323-3836

Sacramento Co. CS: Toxic Site Clean-Up List
Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/06/2014
Number of Days to Update: 21
Last EDR Contact :01/07/2015

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Sacramento Co. ML: Master Hazardous Materials Facility List
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 10/21/2014
Number of Days to Update: 48
Last EDR Contact :01/05/2015

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

San Bern. Co. Permit: Hazardous Material Permits

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/06/2014
Number of Days to Update: 54
Last EDR Contact :11/10/2014

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041

San Mateo Co. BI: Business Inventory

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 10/06/2014
Number of Days to Update: 40
Last EDR Contact :12/15/2014

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

TORRANCE UST: City of Torrance Underground Storage Tank

Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/13/2014
Number of Days to Update: 32
Last EDR Contact :01/12/2015

Source: City of Torrance Fire Department
Telephone: 310-618-2973

TOXIC PITS: Toxic Pits Cleanup Act Sites

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Number of Days to Update: 27
Last EDR Contact :01/26/2009

Source: State Water Resources Control Board
Telephone: 916-227-4364

UIC: UIC Listing

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 07/14/2014
Number of Days to Update: 36

Source: Deaprtment of Conservation
Telephone: 916-445-2408

Last EDR Contact :12/15/2014

UST: Active UST Facilities
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/17/2014
Number of Days to Update: 37
Last EDR Contact :12/15/2014
Source: SWRCB
Telephone: 916-341-5851

UST MENDOCINO: Mendocino County UST Database
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Number of Days to Update: 8
Last EDR Contact :12/24/2014
Source: Department of Public Health
Telephone: 707-463-4466

UST SAN JOAQUIN: San Joaquin Co. UST
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/20/2014
Number of Days to Update: 18
Last EDR Contact :01/05/2015
Source: Environmental Health Department
Telephone: Not Reported

VCP: Voluntary Cleanup Program Properties
Standard Environmental Record Source: State and tribal voluntary cleanup sites
Search Distance: 0.333 Mile

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 11/03/2014
Number of Days to Update: 38
Last EDR Contact :11/04/2014
Source: Department of Toxic Substances Control
Telephone: 916-323-3400

VENTURA CO. BWT: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 10/29/2014
Number of Days to Update: 35
Last EDR Contact :11/17/2014
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813

VENTURA CO. LF: Inventory of Illegal Abandoned and Inactive Sites
Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813

Last EDR Contact :01/05/2015

VENTURA CO. LUST: Listing of Underground Tank Cleanup Sites
Standard Environmental Record Source: State and tribal leaking storage tank lists
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Number of Days to Update: 37
Last EDR Contact :11/17/2014
Source: Environmental Health Division
Telephone: 805-654-2813

VENTURA CO. UST: Underground Tank Closed Sites List
Standard Environmental Record Source: State and tribal registered storage tank lists
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/26/2014
Number of Days to Update: 41
Last EDR Contact :12/15/2014
Source: Environmental Health Division
Telephone: 805-654-2813

WDS: Waste Discharge System
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Number of Days to Update: 9
Last EDR Contact :11/19/2014
Source: State Water Resources Control Board
Telephone: 916-341-5227

WIP: Well Investigation Program Case List
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Number of Days to Update: 13
Last EDR Contact :12/23/2014
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726

WMUDS/SWAT: Waste Management Unit Database
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Number of Days to Update: 30
Last EDR Contact :11/05/2014
Source: State Water Resources Control Board
Telephone: 916-227-4448

YOLO CO. UST: Underground Storage Tank Comprehensive Facility Report
Standard Environmental Record Source: State and tribal registered storage tank lists
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/23/2014
Number of Days to Update: 56
Last EDR Contact :12/18/2014

Source: Yolo County Department of Health
Telephone: 530-666-8646

2020 COR ACTION: 2020 Corrective Action Program List

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.25 Mile

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Number of Days to Update: 7
Last EDR Contact :11/14/2014

Source: Environmental Protection Agency
Telephone: 703-308-4044

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Standard Environmental Record Source: Federal CERCLIS

Search Distance: 0.333 Mile

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Number of Days to Update: 94
Last EDR Contact :01/09/2015

Source: EPA
Telephone: 703-412-9810

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013
Number of Days to Update: 94
Last EDR Contact :01/09/2015

Source: EPA
Telephone: 703-412-9810

COAL ASH DOE: Sleam-Electric Plan Operation Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Number of Days to Update: 76
Last EDR Contact :01/15/2015

Source: Department of Energy
Telephone: 202-586-8719

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Number of Days to Update: 40
Last EDR Contact :12/12/2014
Source: Environmental Protection Agency
Telephone: Not Reported

CONSENT: Superfund (CERCLA) Consent Decrees

Standard Environmental Record Source: Federal NPL
Search Distance: 0.333 Mile

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013
Number of Days to Update: 31
Last EDR Contact :12/24/2014
Source: Department of Justice, Consent Decree Library
Telephone: Varies

CORRACTS: Corrective Action Report

Standard Environmental Record Source: Federal RCRA CORRACTS facilities list
Search Distance: 0.333 Mile

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/10/2014
Number of Days to Update: 78
Last EDR Contact :12/29/2014
Source: EPA
Telephone: 800-424-9346

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Search Distance: 0.333 Mile

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Number of Days to Update: 137
Last EDR Contact :10/24/2014
Source: EPA, Region 9
Telephone: 415-947-4219

DELISTED NPL: National Priority List Deletions

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/29/2014
Number of Days to Update: 40
Last EDR Contact :01/08/2015
Source: EPA
Telephone: Not Reported

DOT OPS: Incident and Accident Data

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Source: Department of Transporation, Office of Pipeline Safety

Number of Days to Update: 42
Telephone: 202-366-4595
Last EDR Contact :11/04/2014

EPA WATCH LIST: EPA WATCH LIST

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Source: Environmental Protection Agency
Number of Days to Update: 88
Telephone: 617-520-3000
Last EDR Contact :11/14/2014

ERNS: Emergency Response Notification System

Standard Environmental Record Source: Federal ERNS list

Search Distance: Property

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/29/2014
Source: National Response Center, United States Coast Guard
Number of Days to Update: 37
Telephone: 202-267-2180
Last EDR Contact :12/29/2014

FEMA UST: Underground Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Source: FEMA
Number of Days to Update: 55
Telephone: 202-646-5797
Last EDR Contact :01/12/2015

FINDS: Facility Index System/Facility Registry System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/16/2014
Source: EPA
Number of Days to Update: 40
Telephone: Not Reported
Last EDR Contact :12/09/2014

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Number of Days to Update: 25
Last EDR Contact :11/19/2014
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Standard Environmental Record Source: Other Standard Environmental Records

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Number of Days to Update: 25
Last EDR Contact :11/19/2014
Source: EPA
Telephone: 202-566-1667

FUDS: Formerly Used Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014
Number of Days to Update: 8
Last EDR Contact :12/12/2014
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Number of Days to Update: 40
Last EDR Contact :12/17/2007
Source: Environmental Protection Agency
Telephone: 202-564-2501

HMIRS: Hazardous Materials Information Reporting System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/30/2014
Number of Days to Update: 36
Last EDR Contact :12/30/2014
Source: U.S. Department of Transportation
Telephone: 202-366-4555

ICIS: Integrated Compliance Information System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2014
Number of Days to Update: 8
Last EDR Contact :01/09/2015
Source: Environmental Protection Agency
Telephone: 202-564-5088

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Number of Days to Update: 184
Last EDR Contact :10/31/2014
Source: EPA Region 1
Telephone: 617-918-1313

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/20/2014
Number of Days to Update: 73
Last EDR Contact :10/27/2014
Source: EPA Region 10
Telephone: 206-553-2857

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2014
Number of Days to Update: 10
Last EDR Contact :10/27/2014
Source: EPA Region 4
Telephone: 404-562-8677

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/03/2014
Number of Days to Update: 12
Last EDR Contact :10/27/2014
Source: EPA, Region 5
Telephone: 312-886-7439

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/06/2014
Number of Days to Update: 19
Last EDR Contact :10/27/2014
Source: EPA Region 6
Telephone: 214-665-6597

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2014
Source: EPA Region 7

Number of Days to Update: 27 Telephone: 913-551-7003
Last EDR Contact :10/27/2014

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/04/2014 Source: EPA Region 8
Number of Days to Update: 10 Telephone: 303-312-6271
Last EDR Contact :10/27/2014

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013 Source: Environmental Protection Agency
Number of Days to Update: 42 Telephone: 415-972-3372
Last EDR Contact :12/09/2014

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Source: Environmental Protection Agency
Number of Days to Update: 52 Telephone: 703-308-8245
Last EDR Contact :10/29/2014

INDIAN UST R1: Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013 Source: EPA, Region 1
Number of Days to Update: 271 Telephone: 617-918-1313
Last EDR Contact :10/31/2014

INDIAN UST R10: Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal registered storage tank lists
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/20/2014 Source: EPA Region 10
Number of Days to Update: 66 Telephone: 206-553-2857
Last EDR Contact :10/27/2014

INDIAN UST R4: Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal registered storage tank lists
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 07/30/2014 Source: EPA Region 4

Number of Days to Update: 10 Telephone: 404-562-9424
Last EDR Contact :10/27/2014

INDIAN UST R5: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/03/2014 Source: EPA Region 5
Number of Days to Update: 12 Telephone: 312-886-6136
Last EDR Contact :10/27/2014

INDIAN UST R6: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/06/2014 Source: EPA Region 6
Number of Days to Update: 8 Telephone: 214-665-7591
Last EDR Contact :10/27/2014

INDIAN UST R7: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/20/2014 Source: EPA Region 7
Number of Days to Update: 27 Telephone: 913-551-7003
Last EDR Contact :10/27/2014

INDIAN UST R8: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/04/2014 Source: EPA Region 8
Number of Days to Update: 10 Telephone: 303-312-6137
Last EDR Contact :10/27/2014

INDIAN UST R9: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/14/2014 Source: EPA Region 9
Number of Days to Update: 7 Telephone: 415-972-3368
Last EDR Contact :10/27/2014

INDIAN VCP R1: Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites

Search Distance: 0.333 Mile

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014 Source: EPA, Region 1
Number of Days to Update: 36 Telephone: 617-918-1102

Last EDR Contact :12/31/2014

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

Standard Environmental Record Source: State and tribal voluntary cleanup sites

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Number of Days to Update: 27
Last EDR Contact :04/20/2009

Source: EPA, Region 7
Telephone: 913-551-7365

LEAD SMELTER 1: Lead Smelter Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014
Number of Days to Update: 46
Last EDR Contact :01/05/2015

Source: Environmental Protection Agency
Telephone: 703-603-8787

LEAD SMELTER 2: Lead Smelter Sites

Standard Environmental Record Source: Other Standard Environmental Records

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Number of Days to Update: 36
Last EDR Contact :12/02/2009

Source: American Journal of Public Health
Telephone: 703-305-6451

LIENS 2: CERCLA Lien Information

Standard Environmental Record Source: Federal CERCLIS

Search Distance: Property

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Number of Days to Update: 37
Last EDR Contact :10/27/2014

Source: Environmental Protection Agency
Telephone: 202-564-6023

LUCIS: Land Use Control Information System

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: 0.333 Mile

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/29/2014
Number of Days to Update: 11
Last EDR Contact :11/17/2014

Source: Department of the Navy
Telephone: 843-820-7326

MLTS: Material Licensing Tracking System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Source: Nuclear Regulatory Commission
Number of Days to Update: 91
Telephone: 301-415-7169
Last EDR Contact :12/04/2014

NPL: National Priority List

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/29/2014
Source: EPA
Number of Days to Update: 40
Telephone: Not Reported
Last EDR Contact :01/08/2015

NPL Site Boundaries

Sources:

EPA"s Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-566-0690

EPA Region 1
Telephone: 617-918-1102

EPA Region 2
Telephone: 212-637-4293

EPA Region 3
Telephone: 215-814-5418

EPA Region 4
Telephone: 404-562-8681

EPA Region 5
Telephone: 312-353-1063

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6118

EPA Region 9
Telephone: 415-947-4579

EPA Region 10
Telephone: 206-553-4479

NPL LIENS: Federal Superfund Liens

Standard Environmental Record Source: Federal NPL

Search Distance: Property

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Source: EPA
Number of Days to Update: 56
Telephone: 202-564-4267

Last EDR Contact :08/15/2011

ODI: Open Dump Inventory

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Source: Environmental Protection Agency

Number of Days to Update: 39 Telephone: 800-424-9346

Last EDR Contact :06/09/2004

PADS: PCB Activity Database System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014 Source: EPA

Number of Days to Update: 33 Telephone: 202-566-0500

Last EDR Contact :01/16/2015

PCB TRANSFORMER: PCB Transformer Registration Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011 Source: Environmental Protection Agency

Number of Days to Update: 83 Telephone: 202-566-0517

Last EDR Contact :10/31/2014

Proposed NPL: Proposed National Priority List Sites

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

A site that has been proposed for listing on the NationalPriorities List through the issuance of a proposed rule in the Federal Register.EPA then accepts public comments on the site, responds to the comments,and places on the NPL those sites that continue to meet therequirements for listing.

Date of Government Version: 09/29/2014 Source: EPA

Number of Days to Update: 40 Telephone: Not Reported

Last EDR Contact :01/08/2015

RAATS: RCRA Administrative Action Tracking System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Source: EPA

Number of Days to Update: 35 Telephone: 202-564-4104

Last EDR Contact :06/02/2008

RADINFO: Radiation Information Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/07/2014 Source: Environmental Protection Agency

Number of Days to Update: 12 Telephone: 202-343-9775

Last EDR Contact :01/08/2015

RCRA NonGen / NLR: RCRA - Non Generators

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/10/2014 Source: Environmental Protection Agency

Number of Days to Update: 78 Telephone: 703-308-8895

Last EDR Contact :12/29/2014

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014 Source: Environmental Protection Agency

Number of Days to Update: 78 Telephone: 703-308-8895

Last EDR Contact :12/29/2014

RCRA-LQG: RCRA - Large Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014 Source: Environmental Protection Agency

Number of Days to Update: 78 Telephone: 703-308-8895

Last EDR Contact :12/29/2014

RCRA-SQG: RCRA - Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

RECORD SOURCES AND CURRENCY

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/10/2014
Source: Environmental Protection Agency
Number of Days to Update: 78
Telephone: 703-308-8895
Last EDR Contact :12/29/2014

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

Standard Environmental Record Source: Federal RCRA TSD facilities list

Search Distance: 0.333 Mile

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/10/2014
Source: Environmental Protection Agency
Number of Days to Update: 78
Telephone: 703-308-8895
Last EDR Contact :12/29/2014

ROD: Records Of Decision

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Source: EPA
Number of Days to Update: 74
Telephone: 703-416-0223
Last EDR Contact :12/12/2014

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Source: Environmental Protection Agency
Number of Days to Update: 54
Telephone: 615-532-8599
Last EDR Contact :11/18/2014

SSTS: Section 7 Tracking Systems

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Source: EPA
Number of Days to Update: 77
Telephone: 202-564-4203

Last EDR Contact :10/27/2014

TRIS: Toxic Chemical Release Inventory System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011 Source: EPA

Number of Days to Update: 44 Telephone: 202-566-0250

Last EDR Contact :11/26/2014

TSCA: Toxic Substances Control Act

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006 Source: EPA

Number of Days to Update: 64 Telephone: 202-260-5521

Last EDR Contact :12/22/2014

UMTRA: Uranium Mill Tailings Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Source: Department of Energy

Number of Days to Update: 146 Telephone: 505-845-0011

Last EDR Contact :11/26/2014

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014 Source: EPA

Number of Days to Update: 17 Telephone: 202-564-2496

Last EDR Contact :12/23/2014

US AIRS MINOR: Air Facility System Data

Standard Environmental Record Source: Other Standard Environmental Records

A listing of minor source facilities.

Date of Government Version: 10/16/2014 Source: EPA

Number of Days to Update: 17 Telephone: 202-564-2496

Last EDR Contact :12/23/2014

US BROWNFIELDS: A Listing of Brownfields Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/22/2014
Source: Environmental Protection Agency
Number of Days to Update: 27
Telephone: 202-566-2777
Last EDR Contact :12/22/2014

US CDL: Clandestine Drug Labs

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014
Source: Drug Enforcement Administration
Number of Days to Update: 41
Telephone: 202-307-1000
Last EDR Contact :11/25/2014

US ENG CONTROLS: Engineering Controls Sites List

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014
Source: Environmental Protection Agency
Number of Days to Update: 31
Telephone: 703-603-0695
Last EDR Contact :12/03/2014

US FIN ASSUR: Financial Assurance Information

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/04/2014
Source: Environmental Protection Agency
Number of Days to Update: 46
Telephone: 202-566-1917
Last EDR Contact :11/11/2014

US HIST CDL: National Clandestine Laboratory Register

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014
Source: Drug Enforcement Administration
Number of Days to Update: 41
Telephone: 202-307-1000
Last EDR Contact :11/25/2014

US INST CONTROL: Sites with Institutional Controls

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014
Source: Environmental Protection Agency
Number of Days to Update: 31
Telephone: 703-603-0695
Last EDR Contact :12/03/2014

US MINES: Mines Master Index File

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/05/2014
Source: Department of Labor, Mine Safety and Health Administration
Number of Days to Update: 74
Telephone: 303-231-5959
Last EDR Contact :12/30/2014

AOCONCERN: San Gabriel Valley Areas of Concern

Standard Environmental Record Source: State and tribal - equivalent CERCLIS

Search Distance: 0.333 Mile

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Source: EPA Region 9
Number of Days to Update: 206
Telephone: 415-972-3178
Last EDR Contact :12/18/2014

DOD: Department of Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Source: USGS
Number of Days to Update: 62
Telephone: 888-275-8747
Last EDR Contact :01/15/2015

INDIAN RESERV: Indian Reservations

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

RECORD SOURCES AND CURRENCY

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Number of Days to Update: 34
Last EDR Contact :01/15/2015

Source: USGS
Telephone: 202-208-3710

PWS: Public Water System Data

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 12/17/2013
Number of Days to Update: 279
Last EDR Contact :12/03/2014

Source: EPA
Telephone: Not Reported

RECORD SOURCES AND CURRENCY

HISTORICAL USE RECORDS

RGA LF: Recovered Government Archive Solid Waste Facilities List

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: Not Reported
Source: Department of Resources Recycling and Recovery
Number of Days to Update: 196
Telephone: Not Reported
Last EDR Contact :06/01/2012

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: Not Reported
Source: State Water Resources Control Board
Number of Days to Update: 182
Telephone: Not Reported
Last EDR Contact :06/01/2012

EDR MGP: EDR Proprietary Manufactured Gas Plants

Standard Environmental Record Source: Former manufactured Gas Plants

Search Distance: 0.333 Mile

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: 08/28/2009
Source: EDR, Inc.
Number of Days to Update: 55
Telephone: Not Reported
Last EDR Contact :11/30/2012

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

Standard Environmental Record Source: Historical Gas Stations

Search Distance: 0.25 Mile

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: 02/20/2007
Source: EDR, Inc.
Number of Days to Update: 42
Telephone: Not Reported
Last EDR Contact :02/21/2007

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

Standard Environmental Record Source: Historical Dry Cleaners

RECORD SOURCES AND CURRENCY

Search Distance: 0.25 Mile

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: 02/20/2007
Number of Days to Update: 42
Last EDR Contact :02/21/2007

Source: EDR, Inc.
Telephone: Not Reported

RECORD SOURCES AND CURRENCY

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5' minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW® Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW® Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services. The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

STREET AND ADDRESS INFORMATION

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APPENDIX F
EDR ENVIRONMENTAL LIEN SEARCH

Mandalay Energy Center Project Site
393 North Harbor Boulevard
Oxnard, CA 93035

Inquiry Number: 4185537.7S
January 28, 2015

The EDR Environmental LienSearch™



Environmental Data Resources Inc

6 Armstrong Road,
Fourth Floor
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

MANDALAY ENERGY CENTER PROJECT SITE
393 NORTH HARBOR BOULEVARD
OXNARD, CA 93035

RESEARCH SOURCE

Source 1: Ventura Assessor
Ventura County, California

Source 2: Ventura Recorder
Ventura County, California

PROPERTY INFORMATION

Deed 1:

Type of Deed: Grant Deed

Title is vested in: Ocean Vista Power Generation, LLC, a Delaware limited liability company

Title received from: Southern California Edison Company, a California corporation

Deed Dated: 04/06/1998

Deed Recorded: 04/07/1998

Instrument: 98-051881

Legal Description: All that certain piece or parcel of land being a portion of Parcel 1 of SBE 1114-56-1, being a portion of Lot Line Adjustment No. 970074360, situate and lying in the County of Ventura, State of California.

Legal Current Owner: Ocean Vista Power Generation, LLC, a Delaware limited liability company

Property Identifiers: 183-0-022-025

EDR Environmental LienSearch™ Report

ENVIRONMENTAL LIEN

Environmental Lien: Found ☒ Not Found ☐

If found:

1st Party: People of the State of California, ex rel. William F. Soo Hoo, Director of the Department of Toxic Substances Control of the State of California, Plaintiff

2nd Party: Southern California Edison Co., a California corporation, Does 1 through 20, inclusive, Defendants

Dated: 02/03/1995

Comments: Site History: In 1996, SCE implemented a water quality monitoring program in response to a final judgment pursuant to a Stipulation, from the Superior Court of California, LA County, Number 121219 on 02/01/1995. The Stipulation alleged that Edison had stored hazardous wastes in non-permitted wastewater retention basins at their electrical generating stations in southern CA. Edison agreed to clean close the basins according to Chapter 15 of Title 22, CCR. The remainder of the property will be evaluated under corrective action. (see attached)

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

EDR Environmental LienSearch™ Report

DEED EXHIBIT

Stewart Title

RECORDING REQUESTED BY AND
WHEN RECORDED MAIL TO AND
MAIL TAX STATEMENTS TO:

John Stout
Ocean Vista Power Generation, L.L.C.
1111 Louisiana, 16th Floor
Houston, Texas 77002

98-051881

Recorded
Official Records
County of
Ventura
Richard D. Dean
Recorder
8:00am 7-Apr-98

Rec Fee		91.00
PCO		20.00
SUR		10.00
A.R.		121.00
STEW	CC	29

(Above Space For Recorder's Use Only)

GRANT DEED

The undersigned Grantor declares:

Documentary transfer tax is shown by an unrecorded separate affidavit pursuant to Section 11932 of the Revenue and Taxation Code, as amended:

(x) computed on full value of property conveyed, or

( ) computed on full value, less value of liens and encumbrances remaining at time of sale.

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, SOUTHERN CALIFORNIA EDISON COMPANY, a California corporation ("Grantor" or "SCE"), hereby grants to OCEAN VISTA POWER GENERATION, L.L.C., a Delaware limited liability company ("Grantee" or "Plant Owner") that certain real property in the City of Oxnard, County of Ventura, State of California, which is more particularly described on Exhibit A attached hereto and incorporated herein by this reference, subject to (i) taxes and assessments not yet due and payable; (ii) all covenants, conditions, restrictions, reservations, rights, rights of way, easements, encumbrances, leases, liens and other title matters of record; (iii) all agreements, contracts, easements, leases, licenses, covenants, conditions, restrictions and other matters affecting title which are not of record, but which have been disclosed by Grantor to Grantee in writing; (iv) all other matters which would be disclosed by an inspection or accurate survey; and (v) the non-exclusive appurtenant easements reserved by Grantor in this Grant Deed as set forth in Part A of this Grant Deed below. The foregoing grant expressly excludes, and Grantor retains full legal title to and ownership of, the "Severed Property" described in Part B of this Grant Deed. The foregoing encumbrances to which this grant is subject do not include Excluded Liabilities as defined in the Asset Sale Agreement, and are applicable, in the case of those described in (ii) and (iii) above, only to the extent same are valid and in force and effect with respect to the Plant Land.

MANDALAY

PART A. RESERVATION OF EASEMENTS.

1. **Defined Terms**. The following terms used in this Grant Deed shall have the meanings specified in this Section 1.

"Applicable Distance" shall mean ten (10) feet; provided that if inspection, maintenance, repair, installation, upgrade, alteration, restoration or replacement work pertaining to the subject Improvements shall reasonably require a greater easement area, then the Applicable Distance shall be expanded to the extent (i) reasonably necessary to perform such work, and (ii) available given the then current use of the relevant greater area.

"Asset Sale Agreement" shall mean that certain Asset Sale Agreement dated November 20, 1997 between SCE and Plant Owner respecting the Plant Property.

"Easement and Covenant Agreement" shall mean that certain Easement and Covenant Agreement dated of even date hereof between SCE and Plant Owner respecting the Property, as amended from time to time.

"Emergency" shall mean any event or circumstance which (i) requires prompt action" and (ii) in the reasonable opinion of SCE could be expected to have an adverse effect on the operation of, or cause significant damage to, the SCE Property, or endanger the health or safety of any person.

"Facilities Services Agreement" shall mean that certain Facilities Services Agreement dated of even date hereof between SCE and Plant Owner respecting the Property, as amended from time to time.

"Governmental Requirements" shall mean all local, state and federal governmental laws, statutes, rules, and regulations, building codes, ordinances (zoning or otherwise) and permits which are, or will be, adopted, granted, amended, modified or supplemented and which govern, affect or relate to the use, development, zoning, improvement, operation, or ownership of the Property, or any portion thereof.

"Grid" shall mean the interconnected power system commonly known in the electric generation, transmission and distribution industry as the "grid."

"Improvements" shall mean all structures and improvements, facilities, systems, fixtures and equipment of any kind now or hereafter located on the Property, whether above or below the land surface, whether real or personal property, and whether permanent or temporary, including without limitation, all buildings, sheds, energy plants, tanks, pipelines (including meters, connections, valves and other associated equipment), cables, wires, conduits, cable trays, trenches, mains, lines, ducts, fences, towers, antennae, tunnels, driveways, streets, alleys, paved parking areas, pathways, screening walls, awnings, retaining walls, plantings, shrubs and other landscaping, irrigation and drainage pipes and facilities, lighting fixtures and signs.

"Land" shall collectively mean the Plant Land and the SCE Land.

"Party" or "Parties" shall individually or collectively, as the case may be, mean SCE, its successors and assigns, or/and Plant Owner, its successors and assigns.

"Permittees" shall mean, with respect to a particular Party, all Persons entitled to occupy or use all or any portion of the Property of such Party by virtue of a lease, easement, license or other legal relationship with such Party; provided, however, that neither party shall be included in the definition of a "Permittee" of the other Party under this Grant Deed.

"Person" shall mean any individual, partnership, corporation, limited liability company, trust, estate or other legal entity.

"Plant" shall mean the gas-fired electric energy generation plant located on the Plant Land.

"Plant Land" shall mean the land described in Exhibit A attached to this Grant Deed.

"Plant Improvements" shall mean all Improvements owned by Plant Owner, regardless of whether such Improvements are located on the Plant Land or on the SCE Land.

"Plant Property" shall collectively mean (i) the Plant Land, and (ii) the Plant Improvements.

"Property" shall collectively mean the Plant Property and the SCE Property.

"SCE Operations Equipment" shall mean that portion of the SCE Improvements which constitutes equipment, facilities, cabling and other personal property located in or on the Plant Property, and used by SCE for any of the purposes of (i) the operation of the Switchyard, (ii) the operation of the Grid, (iii) the control of continuity between the Grid and the electric energy generation plant located on the Plant Land, (iv) the transmission of voltage, control and other data and information used in SCE's electrical transmission and distribution systems, (v) the operation of the fuel storage, transportation and distribution facilities located on the SCE Land, or (vi) the provision of communication and computing services for the Switchyard and other facilities owned or operated by SCE or its designees. The SCE Operations Equipment shall also include all future upgrades, modifications, alterations or replacements to or of such equipment, facilities, cabling and other personal property.

"SCE Improvements" shall mean all Improvements owned by SCE, regardless of whether such Improvements are located on the SCE Land or on the Plant Land.

"SCE Land" shall mean the land described on Exhibit B attached to this Grant Deed and incorporated herein by reference.

"SCE Property" shall collectively mean (i) the SCE Land, and (ii) the SCE Improvements.

"Switchyard" shall collectively mean (i) that portion of the SCE Land (the "Switchyard Land") on which is located switchyard equipment and facilities used by SCE in connection with the transmission of electric power, the operation of the Grid and/or the control of continuity between the Plant and the Grid, and (ii) all Improvements located on the Switchyard Land.

2. **Reservation of Easements by SCE**. SCE hereby reserves, for itself and its designees, the following non-exclusive appurtenant easements in perpetuity in, on, over, under, across and through the Plant Property for the benefit of the SCE Property:

2.1. **Vehicular Access**. SCE reserves an easement in, on, over, under, across and through the Plant Property for the benefit of the SCE Property, for the purpose of vehicular access (i) to and from the SCE Property from and to public streets, rights-of-way, and from and to any railroad spur on or adjoining the Plant Property and from and to property (if any) owned by SCE which is adjacent to the Plant Property and/or the SCE Property, (ii) between commonly owned portions of the SCE Property, and (iii) to facilitate the use and enjoyment of the other easements reserved herein over the Plant Property. The easement described in this Section 2.1 shall expressly include vehicular access to and from the parking areas on the Plant Property described in Section 2.15 below. Except as otherwise mutually agreed upon by the Parties, the foregoing access rights shall be exercised through and over such roads, streets, alleys, bridges, tunnels and other vehicular access ways as are customarily used as of the date of this Grant Deed for such purposes, subject to future relocation in accordance with the provisions of Section 4 below.

2.2. **Pedestrian Access**. SCE reserves an easement in, on, over, under, across and through the Plant Property for the benefit of the SCE Property, for the purpose of pedestrian access (i) to and from the SCE Property from and to public streets and rights-of-way, and from and to any railroad spur on or adjoining the Plant Property and from and to property (if any) owned by SCE which is adjacent to the Plant Property and/or the SCE Property, (ii) between commonly owned portions of the SCE Property, and (iii) to facilitate the use and enjoyment of the other easements granted herein over the Plant Property. Except as otherwise mutually agreed upon by the Parties, the foregoing access rights shall be exercised through and over such pathways, sidewalks, stairways, elevators, hallways and other areas as are customarily used as of the date of this Grant Deed for such purposes, subject to future relocation in accordance with the provisions of Section 4 below.

2.3. **Fire Water System Easement**. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.3, for the benefit of the SCE Property, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of pipes, pipelines (including meters, connections, valves and associated equipment), tanks, mains, lines, pumps and related equipment

and facilities, owned by SCE as part of the SCE Improvements and used in connection with the storage, transportation and distribution of water for use in combating fires on the SCE Property. The easement described in this Section 2.3 shall include the right (but not the obligation) of SCE to perform maintenance, repair and restoration work on equipment and facilities, if any, of the type described in the immediately preceding sentence which are owned by Plant Owner or its Permittees and are essential for the storage, transportation or distribution of water for the combat of fires on the SCE Property, to the extent that following written notice from SCE, Plant Owner fails to promptly perform (or cause to be performed) any required maintenance, repair or restoration work and such failure creates a dangerous situation in relation to SCE's ability to combat fires on the SCE Property. SCE shall have the right to perform such work at the reasonable cost and expense of Plant Owner, provided that prior to the commencement of any such work SCE provides Plant Owner with an additional written notice of its intent to undertake the work and a description of the work which it intends to undertake. Notwithstanding the foregoing, in the event of an Emergency, SCE shall be entitled to commence repair work immediately and without the giving of prior notice. The foregoing remedy shall be in addition to any other remedy which SCE may have in connection with a Plant Owner default under the Easement and Covenant Agreement. The easement described in this Section 2.3 shall encumber and burden those portions of the Plant Property upon which such fire water storage, transportation and distribution equipment, facilities and other Improvements described in this Section 2.3 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other SCE Improvements that presently exist on the Plant Property for the purposes described in this Section 2.3, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Agreement by the SCE Improvements described in this Section 2.3, no above or below ground equipment, facilities or other SCE Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.3, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.4. **Service Water Easement**. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.4, for the benefit of the SCE Property, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of pipes, pipelines (including meters, connections, valves and associated equipment), tanks, mains, lines, wells, pumps and related equipment and facilities used in connection with the transportation and distribution of water for use in connection with the operation and maintenance of the SCE Property and for landscaping purposes. The easement described in this Section 2.4 shall include the right (but not the obligation) of SCE to perform maintenance, repair and restoration work on equipment and facilities, if any, of the type described in the immediately preceding sentence which are owned by Plant Owner or its Permittees and are essential for the transportation or distribution of water for use in connection with the operation of the SCE Property, to the extent that following written notice from SCE, Plant Owner fails to promptly perform (or cause to be performed) any required

maintenance, repair or restoration work and such failure creates a dangerous situation in relation to the operation of the SCE Property. SCE shall have the right to perform such work at the reasonable cost and expense of Plant Owner, provided that prior to the commencement of any such work SCE provides Plant Owner with an additional written notice of its intent to undertake the work and a description of the work which it intends to undertake. The foregoing remedy shall be in addition to any other remedy which SCE may have in connection with a Plant Owner default under the Easement and Covenant Agreement. Notwithstanding the foregoing, in the event of an Emergency, SCE shall be entitled to commence repair work immediately and without the giving of prior notice. The easement described in this Section 2.4 shall encumber and burden those portions of the Plant Property upon which such equipment, facilities and other Improvements used for the purposes described in this Section 2.4 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements that presently exist on the Plant Property, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Agreement by the Improvements described in this Section 2.4, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.4, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.5. **Fuel System Easement**. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.5, for the benefit of the SCE Property, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of pipes, pipelines (including meters, connections, valves and associated equipment), tanks, mains, lines, pumps, and related equipment and facilities used in connection with the storage, transportation and distribution of fuel, oil, natural gas or other substances in connection with operations conducted on the SCE Property other than such pipes, pipelines, tanks, mains, lines, pumps, and related equipment and facilities which are owned by Plant Owner and as to which SCE does not have rights under Section 2.14 hereof. The easement described in this Section 2.5 shall include the right (but not the obligation) of SCE to perform maintenance, repair and restoration work on equipment and facilities, if any, of the type described in the immediately preceding sentence which are owned by Plant Owner or its Permittees and are essential for the storage, transportation, heating or distribution of fuel, oil, natural gas or other substances in connection with operations conducted on the SCE Property, to the extent that following written notice from SCE Plant Owner fails to promptly perform (or cause to be performed) any required maintenance, repair or restoration work and such failure creates a dangerous situation in relation to the operation of the SCE Property. SCE shall have the right to perform such work at the reasonable cost and expense of Plant Owner, provided that prior to the commencement of any such work SCE provides Plant Owner with an additional written notice of its intent to undertake the work and a description of the work which it intends to undertake. Notwithstanding the foregoing, in the event of an Emergency, SCE shall be entitled to commence repair work immediately and without the giving of prior notice. The foregoing remedy shall be in addition to any other remedy which SCE may

have in connection with a Plant Owner default under the Easement and Covenant Agreement. The easement described in this Section 2.5 shall encumber and burden those portions of the Plant Property upon which the equipment, facilities and other Improvements used for the purposes described in this Section 2.5 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Agreement by the Improvements described in this Section 2.5, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.5, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.6. **Waste Water Discharge System Easement**. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.6, for the benefit of the SCE Property, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of pipes, pipelines (including meters, connections, valves and associated equipment), tanks (including any septic tanks), mains, lines, pumps, leach fields, and related equipment and facilities, used in connection with the transportation and/or disposal of wastewater and stormwater from the SCE Property. The easement described in this Section 2.6 shall encumber and burden those portions of the Plant Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 2.6 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Agreement by the SCE Improvements described in this Section 2.6, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.6, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld. No materially increased average volume of wastewater shall be transported through or over the Plant Property from the SCE Property beyond the average volume of wastewater generally transported through or over the Plant Property from the SCE Property as of the date of this Agreement, without the prior written consent of the Plant Owner; provided, however, that the restriction set forth in this sentence shall not be applicable to stormwater or other natural surface run-off.

2.7. **Electric Services Easement**. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.7, for repair, upgrade, restoration, replacement and alteration of cables, lines, wires, conduits, poles and related equipment and facilities used in connection with (i) the supply of electric power to the SCE Property, (ii) the supply of electric power from the SCE Property to the plant Property or to other portions of the SCE Property and (iii) cathodic protection for equipment owned by SCE on the SCE Land or Plant Land. The easement described in this Section 2.7 shall encumber and

burden those portions of the Plant Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 2.7 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Agreement by the SCE Improvements described in this Section 2.7, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.7, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.8. **Electric Transmission Easement**. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.8, for the benefit of the SCE Property, for the construction, operation, use, maintenance, inspection, repair, renewal, replacement, reconstruction, enlargement, alteration, improvement, relocation and removal of (i) electric lines from the Plant to the Switchyard, and (ii) electric lines from the Switchyard to locations outside the Property, consisting of one or more lines of metal towers, poles and other structures, wires, cables, including ground wires and communication circuits, both overhead and underground, with necessary and convenient foundations, conduits, pullboxes, guy wires and anchors, insulators and crossarms placed on said structures, and other fixtures, appliances and appurtenances connected therewith, necessary or convenient for the construction, operation, regulation, control, grounding and maintenance of switchyards, electric lines and communication circuits, for the purpose of transmitting, distributing, regulating and controlling electric energy to be used for light, heat, power, communication, and other purposes, together with the right to clear and to keep said easement and right of way and the real property affected thereby free from explosives, buildings, structures, equipment, trees, vines, brush, combustible materials and any and all obstructions of any kind including, but not in limitation of the generality of the foregoing, swimming pools, fences and the parking of automobiles, trucks or other mechanical equipment, for protection from fire and other hazards and from interference with ingress and egress and with the unobstructed use of said easement and right of way and every part thereof. The easement shall encumber and burden those portions of the Plant Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 2.8 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Agreement by the SCE Improvements described in this Section 2.8, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.8, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.9. **Telecommunication System Easement**. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this

Section 2.9. for the benefit of the SCE Property, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of cables, lines, wires, conduits, control trenches, cable trays, pull boxes, terminal cabinets, poles, antennae, dishes, camera systems, designated spaces in communications rooms, and related facilities and equipment (including, without limitation, fiber optic multiplexors, microwave terminals, DC power plants, telephone switches (PBX's), data concentrators, routers, ground potential rise (GPR) protection equipment and telemetry devices), used in connection with the supply of telephone, data, tele-protection, wireless, fiber optic, local area network (LAN) data access, wide area network (WAN) connectivity, Supervisory Control and Data Acquisition System (SCADA), generation control, microwave, closed circuit television and other communication, telecommunication and computing services to and from the SCE Property or otherwise used in connection with SCE's business (including the leasing or other sharing of any such property between or among SCE and commercial telecommunications providers or others, and the access to the Plant Property by any such lessee or other party sharing such property). The easement described in this Section 2.9 shall encumber and burden those portions of the Plant Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 2.9 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Agreement by the SCE Improvements described in this Section 2.9, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.9, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.10. Monitoring Well Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.10, for the benefit of the SCE Property, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of pipes, wells, pipelines and pumps (including connections, valves and associated equipment), used in connection with groundwater monitoring through the use of monitoring wells. The easement described in this Section 2.10 shall encumber and burden those portions of the Plant Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 2.10 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Agreement by the Improvements described in this Section 2.10, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of the SCE pursuant to this Section 2.10, without the prior written consent of Plant Owner, which consent shall not be unreasonably withheld.

2.11. Drainage. SCE reserves an easement burdening the Plant Property for the benefit of the SCE Property for surface water drainage purposes. Subject to the provisions of Section 4 below, such drainage shall occur on, over, and through such pipes, drains, gulleys, culverts, ditches, ponds and other facilities as exist on the Property as of the date of this Grant Deed. Neither Party shall take any action (including, without limitation, the construction, demolition, or alteration of any Improvements or the alteration of the surface of the Land) which shall alter or modify the drainage existing as of the date of this Grant Deed from, to or over the Property so as to have an adverse effect on the Property of the other Party or the enjoyment by such other Party of the easements reserved in this Grant Deed, or granted by SCE to Plant Owner in the Covenant and Easement Agreement.

2.12. Support. SCE reserves an easement burdening the Plant Property for the benefit of the SCE Property, for vertical, lateral and structural load-bearing support for SCE Improvements existing on the Property as of the date of this Grant Deed and any upgrade, reconstruction, alteration, replacement or restoration of such SCE Improvements that does not place a materially greater burden on the Plant Property than that which exists as of the date of this Grant Deed. The foregoing easement shall include an easement for support for and from the columns, beams, joists, girders, walls, footings, foundations and other elements of the associated improvements, and accommodation of the natural settlement of structures; provided, however, that no such easement shall permit any substantial interference with the use and enjoyment of the servient tenement.

2.13. Encroachments. SCE reserves an easement burdening the Plant Property for the benefit of the SCE Property, for any encroachments which exist as of the date of this Grant Deed, or future minor encroachments resulting from vertical or lateral displacement, movement or settling of the SCE Improvements; provided, however, no encroachment which was not in existence as of the date of this Grant Deed shall be permitted which unreasonably interferes with the use and enjoyment of the servient tenement.

2.14. Easement to Perform Obligations and Enjoy Rights. SCE reserves an easement burdening the Plant Property for the benefit of the SCE Property, for the purpose of the performance by SCE of SCE's duties, obligations and responsibilities under the Covenant and Easement Agreement, the Facilities Services Agreement and the Asset Sale Agreement, and the exercise and enjoyment by SCE of its rights under the Facilities Services Agreement and Asset Sale Agreement.

2.15. Parking Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.15, for the benefit of the SCE Property, for the purpose of vehicular parking by SCE, its employees, agents, representatives, invitees, licensees and Permittees. Except as otherwise mutually agreed upon by the Parties, the foregoing parking rights shall be exercised on and over such parking lots and other parking areas as are customarily used as of the date of this Grant Deed for such purposes, subject to future relocation in accordance with the provisions of Section 4 below.

2.16. SCE Operations Equipment Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.16, for the benefit of the SCE Property, for the purpose of the use, operation, inspection, maintenance, repair, installation, upgrade, alteration, restoration and replacement of the SCE Operations Equipment. The easement described in this Section 2.16 shall encumber and burden those portions of the Plant Property upon which the SCE Operations Equipment are presently located, along with those portions of the Plant Property within the Applicable Distance of the SCE Operations Equipment. Except for the SCE Operations Equipment presently existing on the Plant Property, and for alterations, upgrades, restorations or replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Agreement by the SCE Improvements described in this Section 2.16, no additional SCE Operations Equipment shall be installed on the Plant Property by or on behalf of SCE pursuant to this Section 2.16, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.17. Easement for Fence Installation and Maintenance. SCE reserves an easement for the benefit of the SCE Property over those portions of the Plant Land located within the Applicable Distance of the boundary of the SCE Land, for the purpose of the performance of construction, installation, maintenance, repair, upgrade, alteration, restoration and replacement work pertaining to fences and walls now or hereafter located on the SCE Land.

2.18. Helipad Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.18, for the benefit of the SCE Property, for the use, operation, maintenance and repair of the helipad located on the Plant Property by SCE, its employees, agents, representatives, invitees, licensees and other Permittees. Except as otherwise mutually agreed upon by the Parties, the foregoing easement shall be exercised on and over the helipad located on the Plant Property as of the date of this Grant Deed, subject to future relocation in accordance with the provisions of Section 4 below.

2.19. Signage Easement. SCE reserves an easement in, on, over, under, across and through the Plant Property, for the benefit of the SCE Property, for the purpose of the installation, use, operation, maintenance, repair, upgrade, alteration, restoration and replacement of signage identifying the location and use of the SCE Property.

2.20. Pedestrian Bridge Easement SCE reserves an easement in, on, over, under, across and through the portions of Parcel A southeast of Harbor Boulevard located adjacent to Parcels B and C as shown on Exhibit A attached to this Grant Deed, for the benefit of the SCE Property, for the installation, construction, use, operation, inspection, maintenance, repair, upgrade, alteration, restoration and replacement of one or more pedestrian bridges to be located on the Plant Property described in this Section 2.20.

2.21. Easement for Use of Other SCE Improvements. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.21, for the benefit of the SCE Property, for the purpose of the use, operation,

inspection, maintenance, repair, installation, upgrade, alteration, restoration and replacement of any other SCE Improvements presently located on the Plant Property, but as to which an easement is not otherwise expressly reserved by SCE under this Grant Deed. The easement described in this Section 2.21 shall encumber and burden those portions of the Plant Property upon which such SCE Improvements are presently located, along with those portions of the Plant Property within the Applicable Distance of such SCE Improvements. Except for such SCE Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations or replacements thereof which do not place an increased burden on the Plant Property, no additional SCE Improvements shall be installed on the Plant Property by or on behalf of SCE pursuant to this Section 2.21.

2.22. **Bike Path Easement**. SCE reserves an easement in, on, over, under, across and through the portion of the Plant Property described in Exhibit C attached to this Grant Deed for the installation, use, operation, maintenance, repair, upgrade, alteration, restoration and replacement of a bike path, pedestrian walkway, lighting, landscaping and related Improvements. Notwithstanding any contrary provision in this Grant Deed, the easement reserved in this Section 2.22 shall be an easement in gross.

3. **Use of Property and Easements**. The Plant Property may be used for any lawful purpose, and the easements reserved by SCE herein may be utilized in any lawful manner for the purposes for which such easements are reserved herein, provided that all use of the Plant Property and the easements reserved herein shall be subject to the following: (i) no portion of the Plant Property shall be used in a manner which unreasonably interferes with the use of the easements reserved herein; (ii) no use of the easements reserved herein shall be made which unreasonably interferes with the use of the remaining portions of the Plant Property; (iii) no use of the Plant Property or any of the easements reserved herein shall be made in a manner or for a purpose which causes any Party to be in violation of, or in non-compliance with, any Governmental Requirements; and (iv) no use of the Plant Property or any of the easements reserved herein shall be made which constitutes or produces a nuisance or disturbance to other portions of the Property other than such noises, vibrations, odors, dust, emissions and electro-magnetic interferences or disturbances and the like which are lawfully and customarily incidental to the operation of a gas-fired electrical energy generation plant, the transmission of electrical energy, the storage and distribution of fuel, or the other uses currently existing on the Property as of the date of this Grant Deed. Notwithstanding the foregoing, but subject to compliance with applicable Governmental Requirements, the uses and manner of operation of the Property in existence as of the date of this Grant Deed are hereby permitted, including the portion of such current uses and manner of operation which will hereafter be conducted pursuant to the easements reserved herein. SCE shall have access to all locked areas of the Plant Property necessary or appropriate to permit the use and enjoyment by SCE of the easements reserved by SCE in this Grant Deed. Such access shall be by key, cardkey or other applicable device, and at no additional cost to SCE. Except in an Emergency, or except for access after normal business hours, SCE shall provide Plant Owner with prior or concurrent notice of its entry to the locked areas of the Plant Property.

4. **Relocation of Easements**. At the request of either Party, the areas of the Plant Property which are burdened by the easements reserved under this Grant Deed shall be subject to relocation upon the consent of the other Party, which consent shall not be unreasonably withheld, conditioned or delayed (material interference with the operation of the Plant constituting reasonable grounds for withholding approval). The Party requesting the relocation shall be responsible for all reasonable third party out-of-pocket costs and expenses incurred in connection with the requested relocation, including all relocation, alteration, modification, demolition and other construction work required with respect to affected Improvements and all site restoration work.

5. **Run With Land**. Each and all of the easements, covenants, conditions and restrictions set forth in this Grant Deed shall run with and bind the Property. All covenants, conditions and restrictions set forth in this Grant Deed shall be equitable servitudes. All of the easements, covenants, conditions, and restrictions set forth in this Grant Deed shall benefit and be binding upon each Party and their respective heirs, successors and assigns. Any Party may grant to any contractors, suppliers, representatives or agents of such Party rights in the Property, easements and other rights of such Party granted or reserved hereunder.

6. **Condemnation Rights Unimpaired**. Notwithstanding any provision which may be construed to the contrary in this Grant Deed, no term or provision of this Grant Deed shall impair, waive or otherwise affect any rights of SCE under applicable law to condemn any portion of the Plant Property, including, without limitation, any rights of SCE under California Public Utilities Code Section 612 or 615, or any applicable successor statute.

7. **Canal Access Road Parcel**. SCE shall have the right, but not the obligation, at any time within ninety (90) years after the date hereof, to convey to Plant Owner for no additional consideration all of SCE's right, title and interest in the portion of the SCE Land described on Exhibit D to this Grant Deed (the "Canal Access Road Parcel"), or any part thereof, subject to immaterial modifications to the description of such land that might result, among other things, from Governmental Requirements. The right granted to SCE in this Section 7 shall be exercised by the recording of a grant deed to the Canal Access Road Parcel in the Office of the County Recorder of Ventura County and by SCE's concurrent delivery to Plant Owner of written notice of the recording thereof, together with a copy of the parcel map, subdivision map or certificate of compliance or other governmental approval that evidences that the Canal Access Road Parcel constitutes a legal lot or parcel under the California Subdivision Map Act. Any and all real property taxes applicable to the Canal Access Road Parcel shall be prorated as of the date of recordation of the grant deed thereto.

PART B. SEVERED PROPERTY.

The grant by SCE of the real property described on Exhibit A attached hereto expressly excludes, and SCE retains full legal title to and ownership of, those Improvements located on the Plant Land which are described on Exhibit E attached to this Grant Deed and incorporated herein by reference (the "Severed Property"). The Severed Property, including all

future modifications and alterations thereto, are hereby, and shall remain, severed from the Plant Land and shall constitute the personal property of SCE, its successors and assigns, regardless of whether such Severed Property is now or hereafter physically attached to the Plant Land or would otherwise constitute a fixture or other item of real property under applicable law. The character of the Severed Property as personal property shall not be altered or affected by (i) any future alteration to, or modification or relocation of, the Severed Property, (ii) any attachment or reattachment of the Severed Property to the Plant Land, or (iii) any other event, circumstance, condition, course of dealing, act, inaction or omission, other than an express written instrument to the contrary hereafter executed by the Parties and recorded in the Official Records of Ventura County, California. Upon request of either Party, the other Party agrees to execute (and record, if applicable, at the expense of the requesting Party) such further documents or instruments as may be appropriate to evidence the identity and ownership of the Severed Property from time to time, as such Severed Property may be hereafter modified or altered.

IN WITNESS WHEREOF, SCE has caused this Grant Deed to be executed as of the date set forth next to its signature.

DATE: April 6, 1998

SOUTHERN CALIFORNIA EDISON COMPANY, a California corporation

By: Theordore F. Craver, Jr.
Its: Senior Vice President and Treasurer

The undersigned hereby accepts this Grant Deed and acknowledges and agrees to the terms and provisions set forth herein.

DATE: April 6, 1998

OCEAN VISTA POWER GENERATION, L.L.C., a Delaware limited liability company

By: Frederick John Meyer, Jr.
Its: Vice President

MANDALAY

LA_DOCS\130804.9

STATE OF CALIFORNIA)
) Frederick John Meyer, Jr.
COUNTY OF Los Angeles)

On March 30, 1998, before me, Bunnie Dees, a Notary Public in and for said state, personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

BUNNIE DEES
Comm. #1030992
NOTARY PUBLIC CALIFORNIA
LOS ANGELES COUNTY
Comm. Expires June 22, 1999

Bunnie Dees
Notary Public in and for said State

STATE OF CALIFORNIA)
) Theodora F Carnegie
COUNTY OF Los Angeles)

On March 31 1998 before me, Paula H Ayers a Notary Public in and for said state, personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

PAULA H. AYERS
COMM. # 1163879
NOTARY PUBLIC-CALIFORNIA
LOS ANGELES COUNTY
COMM. EXP. DEC. 5, 2001

Paula H Ayers
Notary Public in and for said State

MANDALAY

LA_DOCS\136004.8

EXHIBIT A

LEGAL DESCRIPTION OF PLANT LAND

THE LAND REFERRED TO HEREIN IS SITUATED IN THE COUNTY OF VENTURA, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 1:

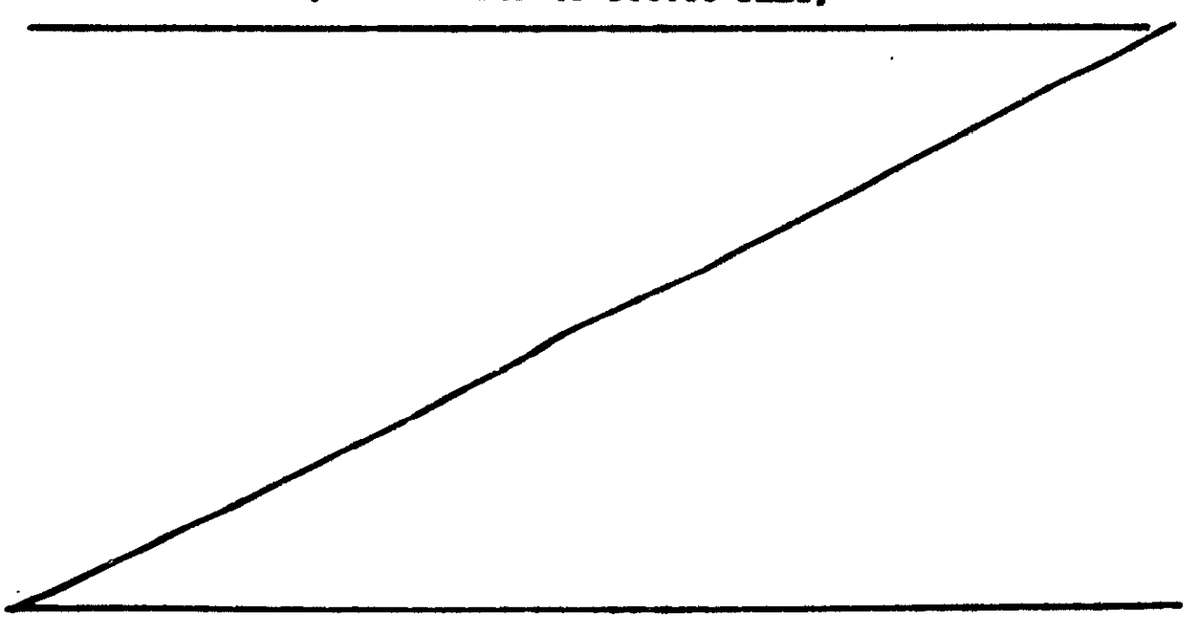
PARCEL A OF LOT LINE ADJUSTMENT NO. 97-5-28, RECORDED JUNE 16, 1997 AS INSTRUMENT NO. 97-074360, OFFICIAL RECORDS, IN THE CITY OF OXNARD, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THOSE PORTIONS OF PARCELS A, B, AND C OF PARCEL MAP NO. 74-24, IN THE CITY OF OXNARD, AS SHOWN ON THE MAP FILED IN BOOK 19, PAGE 7 OF PARCEL MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTHERLY LINE OF SAID PARCEL B, SAID POINT BEING DISTANT NORTH 88 DEGREES 40' 54" WEST 280.97 FEET FROM THE INTERSECTION OF THE NORTHERLY LINE OF SAID PARCEL MAP WITH THE CENTERLINE OF HARBOR BOULEVARD, 120 FEET WIDE, AS SHOWN ON SAID PARCEL MAP.

THENCE 1ST, LEAVING SAID NORTHERLY LINE, SOUTH 23 DEGREES 34' 50" EAST, PARALLEL WITH THE CENTERLINE OF HARBOR BOULEVARD, A DISTANCE OF 190.96 FEET;

THENCE 2ND, SOUTH 66 DEGREES 25' 10" WEST, PERPENDICULAR TO SAID CENTERLINE, A DISTANCE OF 300.06 FEET;



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EXHIBIT A

LEGAL DESCRIPTION OF PLANT LAND

THENCE 3RD, SOUTH 23 DEGREES 34' 50" EAST, PARALLEL WITH SAID CENTERLINE, A DISTANCE OF 497.33 FEET;

THENCE 4TH, NORTH 66 DEGREES 25' 10" EAST, PERPENDICULAR TO SAID CENTERLINE, A DISTANCE OF 300.06 FEET;

THENCE 5TH, NORTH 23 DEGREES 34' 50" WEST, PARALLEL WITH SAID CENTERLINE, A DISTANCE OF 384.95 FEET;

THENCE 6TH, NORTH 66 DEGREES 25' 10" EAST, PERPENDICULAR TO SAID CENTERLINE, A DISTANCE OF 314.85 FEET, TO A POINT ON THE NORTHEASTERLY LINE OF SAID HARBOR BOULEVARD;

THENCE 7TH, ALONG SAID NORTHEASTERLY LINE, SOUTH 23 DEGREES 34' 50" EAST, A DISTANCE OF 476.34 FEET TO THE BEGINNING OF A NON-TANGENT CURVE, CONCAVE SOUTHERLY, THE RADIAL CENTER OF WHICH BEARS SOUTH 13 DEGREES 53' 28" EAST, A DISTANCE OF 480.00 FEET;

THENCE 8TH, EASTERLY AND SOUTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 43 DEGREES 15' 06", AN ARC DISTANCE OF 362.35 FEET;

THENCE 9TH, SOUTH 60 DEGREES 38' 22" EAST, TANGENT TO SAID CURVE, A DISTANCE OF 1125.21 FEET TO THE EASTERLY LINE OF SAID PARCEL C;

THENCE 10TH, ALONG SAID EASTERLY LINE SOUTH 1 DEGREES 13' 38" WEST, A DISTANCE OF 295.97 FEET TO ITS INTERSECTION WITH A LINE PARALLEL WITH, AND LYING 261.00 FEET SOUTHWESTERLY OF, THE LAST DESCRIBED COURSE;

THENCE 11TH, LEAVING SAID EASTERLY LINE NORTH 60 DEGREES 38' 22" WEST, ALONG SAID PARALLEL LINE, A DISTANCE OF 1264.76 FEET;

THENCE 12TH, NORTH 60 DEGREES 55' 40" WEST, A DISTANCE OF 94.33 FEET;

THENCE 13TH, NORTH 85 DEGREES 46' 03" WEST A DISTANCE OF 41.56 FEET TO A POINT ON THE NORTHEASTERLY LINE OF SAID HARBOR BOULEVARD;

THENCE 14TH, SOUTH 66 DEGREES 25' 10" WEST, PERPENDICULAR TO SAID CENTERLINE OF HARBOR BOULEVARD, A DISTANCE OF 120.00 FEET TO A POINT ON THE SOUTHWESTERLY LINE OF SAID HARBOR BOULEVARD;

THENCE 15TH, ALONG SAID SOUTHWESTERLY LINE, SOUTH 23 DEGREES 34' 50" EAST, A DISTANCE OF 27.30 FEET;

THENCE 16TH, SOUTH 66 DEGREES 25' 10" WEST, PERPENDICULAR TO SAID CENTERLINE, A DISTANCE OF 474.34 FEET;

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EXHIBIT A

LEGAL DESCRIPTION OF PLANT LAND

THENCE 17TH, SOUTH 23 DEGREES 34' 49" EAST, A DISTANCE OF 168.36 FEET;

THENCE 18TH, SOUTH 68 DEGREES 14' 49" WEST, A DISTANCE OF 93.58 FEET;

THENCE 19TH, SOUTH 85 DEGREES 59' 00" WEST, A DISTANCE OF 257.24 FEET;

THENCE 20TH, SOUTH 22 DEGREES 46' 40" EAST, A DISTANCE OF 187.62 FEET;

THENCE 21ST, SOUTH 32 DEGREES 46' 59" WEST, A DISTANCE OF 52.95 FEET;

THENCE 22ND, SOUTH 66 DEGREES 39' 31" WEST, A DISTANCE OF 163.61 FEET;

THENCE 23RD, NORTH 23 DEGREES 46' 48" WEST, A DISTANCE OF 270.80 FEET;

THENCE 24TH, NORTH 9 DEGREES 40' 35" WEST, A DISTANCE OF 82.43 FEET;

THENCE 25TH, SOUTH 75 DEGREES 30' 03" WEST, A DISTANCE OF 128.80 FEET;

THENCE 26TH, NORTH 80 DEGREES 58' 30" WEST, A DISTANCE OF 47.21 FEET;

THENCE 27TH, SOUTH 66 DEGREES 13' 06" WEST, A DISTANCE OF 160.04 FEET;

THENCE 28TH, SOUTH 23 DEGREES 32' 21" EAST, A DISTANCE OF 56.48 FEET TO A POINT ON THE SOUTHERLY LINE OF SAID PARCEL B;

THENCE 29TH, ALONG SAID SOUTHERLY LINE OF PARCEL B AND THE SOUTHERLY LINE OF PARCEL A, SOUTH 66 DEGREES 13' 12" WEST, A DISTANCE OF 354.71 FEET, MORE OR LESS, TO A POINT ON THE MEAN HIGH TIDE LINE OF THE PACIFIC OCEAN;

THENCE 30TH, ALONG SAID MEAN HIGH TIDE LINE, NORTH 21 DEGREES 29' 29" WEST, A DISTANCE OF 40.71 FEET;

THENCE 31ST, CONTINUING ALONG SAID MEAN HIGH TIDE LINE, NORTH 27 DEGREES 20' 45" WEST, A DISTANCE OF 130.60 FEET;

THENCE 32ND, CONTINUING ALONG SAID MEAN HIGH TIDE LINE, NORTH 17 DEGREES 55' 26" WEST, A DISTANCE OF 107.21 FEET;

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EXHIBIT A

LEGAL DESCRIPTION OF PLANT LAND

THENCE 33RD, CONTINUING ALONG SAID MEAN HIGH TIDE LINE, NORTH 23 DEGREES 06' 14" WEST, A DISTANCE OF 415.32 FEET;

THENCE 34TH, CONTINUING ALONG SAID MEAN HIGH TIDE LINE, NORTH 27 DEGREES 49' 12" WEST, A DISTANCE OF 81.41 FEET;

THENCE 35TH, CONTINUING ALONG SAID MEAN HIGH TIDE LINE, NORTH 13 DEGREES 11' 11" WEST, A DISTANCE OF 65.73 FEET;

THENCE 36TH, CONTINUING ALONG SAID MEAN HIGH TIDE LINE, NORTH 21 DEGREES 56' 40" WEST, A DISTANCE OF 505.65 FEET;

THENCE 37TH, CONTINUING ALONG SAID MEAN HIGH TIDE LINE, NORTH 27 DEGREES 33' 58" WEST, A DISTANCE OF 127.48 FEET;

THENCE 38TH, CONTINUING ALONG SAID MEAN HIGH TIDE LINE, NORTH 14 DEGREES 59' 27" WEST, A DISTANCE OF 115.95 FEET;

THENCE 39TH, CONTINUING ALONG SAID MEAN HIGH TIDE LINE, NORTH 24 DEGREES 01' 12" WEST, A DISTANCE OF 99.90 FEET TO THE NORTHWEST CORNER OF SAID PARCEL A;

THENCE 40TH, LEAVING SAID MEAN HIGH TIDE LINE AND ALONG THE NORTHERLY LINE OF SAID PARCELS A AND B, SOUTH 88 DEGREES 40' 54" EAST, A DISTANCE OF 1602.67 FEET TO THE POINT OF BEGINNING.

EXCEPTING ANY PORTIONS OF SAID LAND WHICH AT ANY TIME WERE TIDELAND, WHICH WAS NOT FORMED BY THE DEPOSIT OF ALLUVION FROM NATURAL CAUSES AND BY IMPERCEPTIBLE DEGREES, AND ALSO EXCEPTING ANY PORTIONS LYING BELOW THE MEAN HIGH TIDE LINE OF THE PACIFIC OCEAN.

EXCEPT ALL OIL, GAS, PETROLEUM, HYDROCARBON AND MINERAL SUBSTANCES LYING IN AND UNDER SAID LAND, TOGETHER WITH THE RIGHT TO USE THOSE PORTIONS ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND 500 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, PETROLEUM, HYDROCARBON AND MINERAL SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, WITHOUT, HOWEVER, THE RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF TO SAID DEPTH OF 500 FEET FOR ANY PURPOSE WHATSOEVER.

EXHIBIT B

LEGAL DESCRIPTION OF SCE LAND

THE LAND REFERRED TO HEREIN IS SITUATED IN THE COUNTY OF VENTURA, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 2:

BEING PARCEL B OF LOT LINE ADJUSTMENT NO. 97-5-28, RECORDED JUNE 16, 1997 AS INSTRUMENT NO. 97-074360, OFFICIAL RECORDS, IN THE CITY OF OXNARD, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THOSE PORTIONS OF PARCELS B AND C OF PARCEL MAP NO. 74-24, IN THE CITY OF OXNARD, AS SHOWN ON THE MAP FILED IN BOOK 19, PAGE 7 OF PARCEL MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTHERLY LINE OF SAID PARCEL B, SAID POINT BEING DISTANT NORTH 88 DEGREES 40' 54" WEST, 280.97 FEET FROM THE INTERSECTION OF THE NORTHERLY LINE OF SAID PARCEL MAP WITH THE CENTERLINE OF HARBOR BOULEVARD, 120 FEET WIDE, AS SHOWN ON SAID PARCEL MAP;

THENCE 1ST, LEAVING SAID NORTHERLY LINE, SOUTH 23 DEGREES 34' 50" EAST, PARALLEL WITH THE CENTERLINE OF HARBOR BOULEVARD, A DISTANCE OF 190.96 FEET;

THENCE 2ND SOUTH 66 DEGREES 25' 10" WEST, PERPENDICULAR TO SAID CENTERLINE, A DISTANCE OF 300.06 FEET;

THENCE 3RD, SOUTH 23 DEGREES 34' 50" EAST, PARALLEL WITH SAID CENTERLINE, A DISTANCE OF 497.33 FEET;

THENCE 4TH, NORTH 66 DEGREES 25' 10" EAST, PERPENDICULAR TO SAID CENTERLINE, A DISTANCE OF 300.06 FEET;

THENCE 5TH, NORTH 23 DEGREES 34' 50" WEST, PARALLEL WITH SAID CENTERLINE, A DISTANCE OF 384.95 FEET;

THENCE 6TH, NORTH 66 DEGREES 25' 10" EAST, PERPENDICULAR TO SAID CENTERLINE, A DISTANCE OF 314.85 FEET, TO A POINT ON THE NORTHEASTERLY LINE OF SAID HARBOR BOULEVARD;

THENCE 7TH, ALONG SAID NORTHEASTERLY LINE, SOUTH 23 DEGREES 34' 50" EAST, A DISTANCE OF 476.34 FEET TO THE BEGINNING OF A NON-TANGENT CURVE, CONCAVE SOUTHERLY, THE RADIAL CENTER OF WHICH BEARS SOUTH 13 DEGREES 53' 28" EAST, A DISTANCE OF 480.00 FEET;

EXHIBIT B

LEGAL DESCRIPTION OF SCE LAND

THENCE 8TH, EASTERLY AND SOUTHEASTERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 43 DEGREES 15' 06", AN ARC DISTANCE OF 362.35 FEET;

THENCE 9TH, SOUTH 60 DEGREES 38' 22" EAST, TANGENT TO SAID CURVE, A DISTANCE OF 1125.21 FEET TO THE EASTERLY LINE OF SAID PARCEL C;

THENCE 10TH, ALONG SAID EASTERLY LINE, NORTH 1 DEGREES 13' 38" EAST, A DISTANCE OF 1143.18 FEET TO THE NORTHEAST CORNER OF SAID PARCEL C;

THENCE 11TH, ALONG THE NORTHERLY LINE OF SAID PARCEL C AND THE NORTHERLY LINE OF SAID PARCEL B, SOUTH 88 DEGREES 40' 54" EAST, A DISTANCE OF 1956.72 FEET TO THE POINT OF BEGINNING.

EXHIBIT B

LEGAL DESCRIPTION OF SCE LAND

PARCEL 3:

BEING PARCEL C OF LOT LINE ADJUSTMENT NO. 97-5-28, RECORDED JUNE 16, 1997 AS INSTRUMENT NO. 97-074360, OFFICIAL RECORDS, IN THE CITY OF OXNARD, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THOSE PORTIONS OF PARCELS B AND C OF PARCEL MAP NO. 74-24, IN THE CITY OF OXNARD, AS SHOWN ON THE MAP FILED IN BOOK 19, PAGE 7 OF PARCEL MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

COMMENCING AT A POINT ON THE NORTHERLY LINE OF SAID PARCEL B, SAID POINT BEING DISTANT NORTH 88 DEGREES 40' 54" WEST, 280.97 FEET FROM THE INTERSECTION OF THE NORTHERLY LINE OF SAID PARCEL MAP WITH THE CENTERLINE OF HARBOR BOULEVARD, 120 FEET WIDE, AS SHOWN ON SAID PARCEL MAP.

THENCE, LEAVING SAID NORTHERLY LINE, SOUTH 23 DEGREES 34' 50" EAST, PARALLEL WITH THE CENTERLINE OF HARBOR BOULEVARD, A DISTANCE OF 190.96 FEET;

THENCE SOUTH 66 DEGREES 25' 10" WEST, PERPENDICULAR TO SAID CENTERLINE, A DISTANCE OF 300.06 FEET;

THENCE SOUTH 23 DEGREES 34' 50" EAST, PARALLEL WITH SAID CENTERLINE, A DISTANCE OF 497.33 FEET;

THENCE NORTH 66 DEGREES 25' 10" EAST, PERPENDICULAR TO SAID CENTERLINE, A DISTANCE OF 300.06 FEET;

THENCE NORTH 23 DEGREES 34' 50" WEST, PARALLEL WITH SAID CENTERLINE, A DISTANCE OF 384.95 FEET;

THENCE NORTH 66 DEGREES 25' 10" EAST, PERPENDICULAR TO SAID CENTERLINE, A DISTANCE OF 314.85 FEET, TO A POINT ON THE NORTHEASTERLY LINE OF SAID HARBOR BOULEVARD;

THENCE, ALONG SAID NORTHEASTERLY LINE, SOUTH 23 DEGREES 34' 50" EAST, A DISTANCE OF 476.34 FEET TO THE BEGINNING OF A NON-TANGENT CURVE, CONCAVE SOUTHERLY, THE RADIAL CENTER OF WHICH BEARS SOUTH 13 DEGREES 53' 28" EAST, A DISTANCE OF 480.00

EXHIBIT B

LEGAL DESCRIPTION OF SCE LAND

FEET;

THENCE, EASTERLY AND SOUTHEASTERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 43 DEGREES 15' 06", AN ARC DISTANCE OF 362.35 FEET;

THENCE SOUTH 60 DEGREES 38' 22" EAST, TANGENT TO SAID CURVE, A DISTANCE OF 1125.21 FEET TO THE EASTERLY LINE OF SAID PARCEL C;

THENCE, ALONG SAID EASTERLY LINE SOUTH 1 DEGREES 13' 38" WEST, A DISTANCE OF 295.97 FEET TO ITS INTERSECTION WITH A LINE PARALLEL WITH, AND LYING 261.00 FEET SOUTHWESTERLY OF, THE LAST DESCRIBED COURSE, BEING THE TRUE POINT OF BEGINNING.

THENCE 1ST, LEAVING SAID EASTERLY LINE, NORTH 60 DEGREES 38' 22" WEST, ALONG SAID PARALLEL LINE, A DISTANCE OF 1264.76 FEET;

THENCE 2ND, NORTH 60 DEGREES 55' 40" WEST, A DISTANCE OF 94.33 FEET;

THENCE 3RD, NORTH 85 DEGREES 46' 03", WEST, A DISTANCE OF 41.56 FEET TO A POINT ON THE NORTHEASTERLY LINE OF SAID HARBOR BOULEVARD;

THENCE 4TH, SOUTH 66 DEGREES 25' 10" WEST, PERPENDICULAR TO SAID CENTERLINE OF HARBOR BOULEVARD, A DISTANCE OF 120.00 FEET TO A POINT ON THE SOUTHWESTERLY LINE OF SAID HARBOR BOULEVARD;

THENCE 5TH, ALONG SAID SOUTHWESTERLY LINE, SOUTH 23 DEGREES 34' 50" EAST, A DISTANCE OF 27.30 FEET;

THENCE 6TH, SOUTH 66 DEGREES 25' 10" WEST, PERPENDICULAR TO SAID CENTERLINE, A DISTANCE OF 474.34 FEET;

THENCE 7TH, SOUTH 23 DEGREES 34' 49" EAST, A DISTANCE OF 168.36 FEET;

THENCE 8TH, SOUTH 68 DEGREES 14' 49" WEST, A DISTANCE OF 93.58 FEET;

THENCE 9TH, SOUTH 85 DEGREES 59' 00" WEST, A DISTANCE OF 257.24 FEET;

THENCE 10TH, SOUTH 22 DEGREES 46' 40" EAST, A DISTANCE OF 187.62 FEET;

THENCE 11TH, SOUTH 32 DEGREES 46' 59" WEST, A DISTANCE OF 52.95 FEET;

THENCE 12TH, SOUTH 66 DEGREES 39' 31" WEST, A DISTANCE OF

EXHIBIT B

LEGAL DESCRIPTION OF SCE LAND

163.61 FEET;

THENCE 13TH, NORTH 23 DEGREES 46' 48" WEST, A DISTANCE OF 270.80 FEET;

THENCE 14TH, NORTH 9 DEGREES 40' 33" WEST, A DISTANCE OF 82.43 FEET;

THENCE 15TH, SOUTH 75 DEGREES 30' 03" WEST, A DISTANCE OF 128.80 FEET;

THENCE 16TH, NORTH 80 DEGREES 58' 30" WEST, A DISTANCE OF 47.21 FEET;

THENCE 17TH, SOUTH 66 DEGREES 13' 06" WEST, A DISTANCE OF 160.04 FEET;

THENCE 18TH, SOUTH 23 DEGREES 32' 21" EAST, A DISTANCE OF 56.48 FEET TO A POINT ON THE SOUTHERLY LINE OF SAID PARCEL B;

THENCE 19TH, ALONG SAID SOUTHERLY LINE OF PARCEL B, NORTH 66 DEGREES 13' 12" EAST, A DISTANCE OF 288.87 FEET TO AN ANGLE POINT ON SAID SOUTHERLY LINE;

THENCE 20TH, CONTINUING ALONG SAID SOUTHERLY, LINE SOUTH 23 DEGREES 46' 48" EAST, A DISTANCE OF 569.18 FEET TO AN ANGLE POINT THEREON;

THENCE 21ST, CONTINUING ALONG THE SOUTHERLY LINE OF SAID PARCEL B AND THE SOUTHERLY LINE OF PARCEL C, SOUTH 88 DEGREES 47' 04" EAST, A DISTANCE OF 1559.83 FEET TO AN ANGLE POINT ON THE SOUTHERLY LINE OF PARCEL C;

THENCE 22ND, CONTINUING ALONG SAID SOUTHERLY LINE NORTH 1 DEGREES 13' 38" EAST, A DISTANCE OF 299.99 FEET, TO AN ANGLE POINT THEREON;

THENCE 23RD, CONTINUING ALONG SAID SOUTHERLY LINE, SOUTH 88 DEGREES 47' 04" EAST, A DISTANCE OF 499.98 FEET TO THE SOUTHEAST CORNER OF SAID PARCEL C;

THENCE 24TH, ALONG THE EASTERLY LINE OF SAID PARCEL C, NORTH 1 DEGREES 13' 38" EAST, A DISTANCE OF 43.59 FEET TO THE TRUE POINT OF BEGINNING.

EXHIBIT C

DESCRIPTION OF BIKE PATH EASEMENT

The southwesterly seventy (70) feet of that certain three hundred (300) foot wide strip of land, in the County of Ventura, State of California, as granted to the Southern California Edison Company, in the deed recorded December 22, 1958, as Instrument No. 56058, in Book 1685, Page 534 of Official Records, in the Office of the County Recorder of said County.

EXHIBIT D

DESCRIPTION OF CANAL ACCESS ROAD PARCEL

A portion of Parcel C, of Lot Line Adjustment No. 97-5-28, in the City of Oxnard, County of Ventura, State of California, recorded June 16, 1997, as Instrument No. 97-074360, of Official Records, in the Office of the County Recorder of said County, described as follows;

Commencing at the point of intersection of the most easterly line of said Parcel C and a line parallel with, and 7.50 feet southwesterly, measured at right angles, from the northeasterly line of said Parcel C and the southeasterly prolongation thereof;

Thence, leaving said easterly line, along said parallel line, N. 60°38'22"W., a distance of 1185.99 feet;

Thence, at right angles to said parallel line, N. 29°21'38"W., a distance of 7.50 feet to a point on said northeasterly line, being the TRUE POINT OF BEGINNING, being also the beginning of a non-tangent curve to the left, concave southerly, having a radius of 65.00 feet and a central angle of 52°56'28";

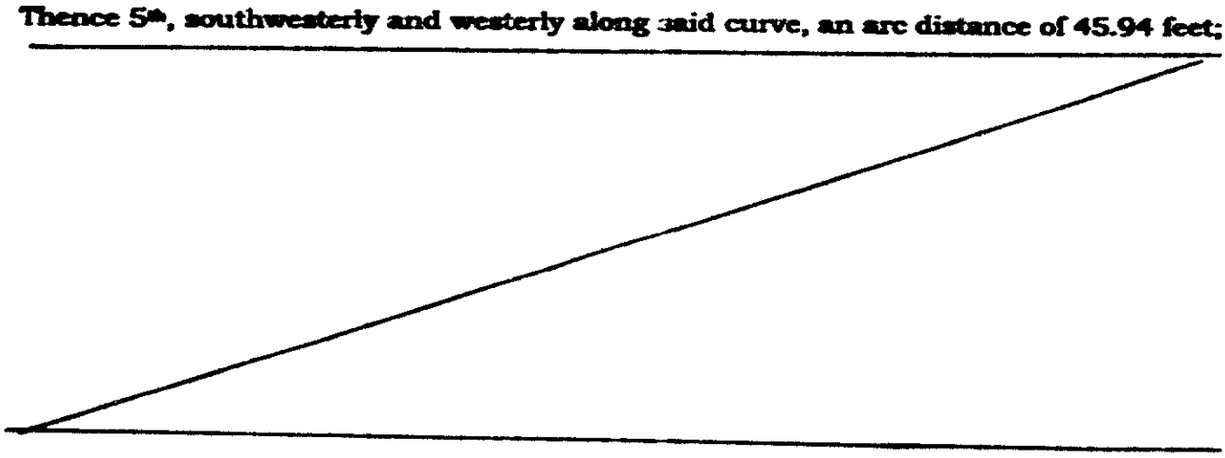
Thence 1st, tangent to said northeasterly line, northwesterly and westerly along said curve, an arc distance of 60.06 feet;

Thence 2nd, leaving said curve, S. 66°25'10"W., a distance of 64.99 feet to the beginning of a tangent curve to the left, concave southeasterly, having a radius of 45.00 feet and a central angle of 90°00'00";

Thence 3rd, southwesterly and southerly along said curve, an arc distance of 70.69 feet;

Thence 4th, leaving said curve, S. 23°34'50"E., a distance of 19.68 feet to the beginning of a tangent curve to the right, concave northwesterly, having a radius of 30.03 feet and a central angle of 87°38'42";

Thence 5th, southwesterly and westerly along said curve, an arc distance of 45.94 feet;



MANDALAY

EXHIBIT D

DESCRIPTION OF CANAL ACCESS ROAD PARCEL

Thence 6th, leaving said curve, S. 66°00'03"W., 13.46 feet more or less to a point on the centerline of Harbor Boulevard, as shown on said Lot Line Adjustment;

Thence 7th, along said centerline, N. 23°34'50"W., 229.38 feet more or less to a point on the northeasterly line of said Parcel C;

Thence 8th, leaving said centerline and along said northeasterly line, N. 66°25'11"E., 60.00 feet to a point on the easterly line of Harbor Blvd., 120 feet wide, being also an angle point in said northeasterly line;

Thence 9th, continuing along said northeasterly line, S. 85°46'03"E., 41.56 feet to an angle point in said northeasterly line;

Thence 10th, continuing along said northeasterly line, S. 60°47'35"E., 177.10 feet to the True Point of Beginning.

Containing 29,747 square feet, more or less.

EXHIBIT E

Description of Severed Property

All Improvements which are located on the Plant Land and constitute "Excluded Assets" under the Asset Sale Agreement, including without limitation those Improvements located on the Plant Land which are shown as to be owned by Seller on Schedules 2.2(a), 2.2(b) or 2.2(c) to the Asset Sale Agreement or the drawings attached thereto.

EDR Environmental LienSearch™ Report

ENVIRONMENTAL LIEN EXHIBITS

APPENDIX G
AAI USER QUESTIONNAIRE

ASTM E 1527-13 User Questionnaire

In order to qualify for the protection offered under the EPA All Appropriate Inquires (AAI) Standard, the **User** (entities seeking to use the ASTM E 1527-13 Practice to complete an environmental site assessment of the property; i.e. Lenders and/or Borrowers) must provide the following information (if available) to the *environmental professional* (URS). Failure to conduct these inquires could result in a determination that AAI is not complete. This information should be the collective knowledge of the entities relying on the Phase I.

Please note that you are not being asked to evaluate the property, but rather to provide your knowledge of information on the property.

Person Interviewed: **Mr. John Mihatov, Mr. George Murr, and Ms. Julie Babcock with NRG**
Date: **January 26, 2015**

1. Environmental liens that are filed or recorded against the *property* (40 CFR 312.25).

Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law? (**Note:** If unknown, a review of title records or an environmental lien search is recommended)

Yes **X** No____ If you answer yes, please include an explanation in the space provided below:

Yes. Closure activities associated with prior operations of retention basins and associated appurtenances on the MGS property are currently SCE's obligations as the previous owner of the property, and include ongoing groundwater monitoring related to cleanup and closure of the three retention ponds north of MGS Unit 2. These ponds were reportedly remediated in 2011, and groundwater monitoring has been ongoing. The Department of Toxic Substances Control is expected to issue a Closure Report for the property in 2015

2. Activity and use limitations that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26(a) (1) (v) and (VI)).

Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as *engineering controls*, land use restrictions, or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law?

Engineering Controls are defined as physical modifications to a site or facility to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property). *Institutional Controls* are defined as a legal or administrative restriction on the use of, or access to, a site or facility to 1) reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property, or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.

Yes____ No **X** If you answer yes, please include an explanation in the space provided below:

3. Specialized knowledge or experience of the person seeking to qualify for the LLP* (40 CFR 312.28). *****_Landowner Liability Protection (LLP)_ offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001

Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property*

or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes__**X**__No____ If you answer yes, please include an explanation in the space provided below:

4. Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*?

Yes___ No___If you answer no, please include an explanation in the space provided below, including whether the lower purchase price is because contamination is known or believed to be present at the *property*?

N/A

5. Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional to* identify conditions indicative of releases or threatened releases? For example:

a. Do you know the past uses of the *property*?
Yes**X** No___

b. Do you know of specific chemicals that are present or once were present at the *property*?
Yes**X** No___

c. Do you know of spills or other chemical releases that have taken place at the *property*?
Yes**X** No___

d. Do you know of any environmental cleanups that have taken place at the *property*?
Yes**X** No___

If you answered yes to any of the questions above, please include an explanation in the space provided below:

Hazardous Material Business Plan, Hazardous Materials Inventory, SPCC Plan, SWPPP, Phase I ESA, Phase II ESA and additional relevant information provided.

6. The degree of obviousness of the presence or likely presence of contamination at the *property,* and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

Based on your knowledge and experience related to the *property,* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?

Yes**X** No___If you answer yes, please include an explanation in the space provided below:

See information provided above.

ASTM E 1527-13 User Questionnaire

In addition to the above questions, certain information should be collected, if available, and provided to the *environmental professional*. This information is intended to assist the *environmental professional*, but is not necessarily required to qualify for one of the LLPs.

1. The reason why the ESA is being performed (i.e. sale, purchase, exchange, etc.).

   Phase I ESA being conducted for preparation of an Application for Certification for the California Energy Commission

2. The complete name, correct address and/or parcel number for the property (a map or other documentation showing property location and boundaries is helpful).

   393 North Harbor Boulevard, Oxnard, Ventura, California in located in Section 36 of Township 2 North, Range 23 West, and Section 1 of Township 1 North, Range 23 West, within the Mount Diablo Base and Meridian (U.S. Geological Survey [USGS], Oxnard/Oxnard OE California 7.5-minute quadrangles), The property consists of Assessor's Parcel Number (APN) 183-0-022-025.

3. A description of the property (i.e. acreage, type, square footage, number of buildings, other structures, age of buildings, above/underground storage tanks, etc.)

   The property consists of approximately 36 acres and includes two conventional steam turbine units (Units 1 and 2) and one gas combustion turbine unit (Unit 3). MGS Units 1 and 2 were constructed in the 1950s, and have a combined generating capacity of 430 MW. MGS Unit 3 is a jet-engine–powered unit that was commissioned in the early1970s, and has a generating capacity of approximately 130 MW. Associated buildings include a 42,000 Square foot administrative building, an 18,600 Square foot maintenance shop/warehouse building, several storage buildings, three retention basins, parking areas and undeveloped land. Cooling water for Units 1 and 2 is ocean water conveyed via the 2.5 mile-long Edison Canal from the Channel Islands Harbor. See SPCC and AST inventory provided as well as previous environmental investigations.

4. Knowledge or previous owners and/or previous uses of the property?

   Southern California Edison – Mandalay Generating Station

5. Current or previous deeds?

   See Environmental Lien Report

6. The site contact name and number.

   Mr. John Mihatov, Mr. George Murr, and Ms. Julie Babcock with NRG - (805)984-5217

7. Previous reports available? Any other available documentation, correspondence, etc. concerning the environmental condition of the property?

   See above

APPENDIX M-2

SOIL MANAGEMENT PLAN

DRAFT SOIL MANAGEMENT PLAN

FOR GROUND-DISTURBING ACTIVITIES AT PUENTE POWER PROJECT

1.0 INTRODUCTION

The Puente Power Project (P3) has developed this Draft Soil Management Plan (SMP), which is limited to construction and demolition activities associated with the P3 project area in the Mandalay Generating Station (MGS).

The objective of the SMP would be to provide guidance for the proper identification, handling, onsite management, and disposal of impacted soil that may be encountered during construction and ground-disturbing activities. The SMP outlines guidelines for contaminated soil identification; contaminated soil assessment; maintenance of contaminated soil storage areas; soil/waste segregation criteria; waste management procedures; and reporting.

Appropriately trained professionals will be on site during construction activities to monitor soil and groundwater conditions encountered. If impacted soil and/or groundwater are encountered during construction or demolition work, work would be halted and necessary actions would be completed according to applicable laws, ordinances, regulations, and standards (LORS).

The SMP is intended to support, but not substitute, site assessment activities or corrective actions that might be undertaken as part of the Resource Conservation and Recovery Act (RCRA) Corrective Action Process for the MGS site[1] (for further details see Section 2.2). This SMP addresses only native and nonnative (e.g., previously imported fill) soil and soil-like materials present at the P3 site. It is not intended for use in managing concrete, equipment and piping, liquids, sludges, or other nonsoil materials or wastes. All other waste streams generated during construction and demolition will be managed under the project-specific Waste Management Plan.

This SMP will be updated and finalized following certification from the California Energy Commission (CEC), and according to applicable Conditions of Certification (COCs). At least 45 days prior to the start of ground-disturbing activities, the project owner will submit the final draft of the SMP to the CEC Compliance Project Manager (CPM) and the Department of Toxic Substances Control (DTSC) for review and approval.

1.1 Project Description

The P3 will be sited in the northern portion of the existing approximately 36-acre MGS property at 393 North Harbor Boulevard in Oxnard, Ventura County, California. P3 will consist of a new

[1] A Final Judgment pursuant to Stipulation Number BC 121219, handed down by the Superior Court of California, Los Angeles County, on February 1, 1995, alleged that Southern California Edison had stored hazardous wastes in unpermitted surface impoundments and associated sumps. According to the approved Closure Plan, the soil at the retention basin site had been characterized as sufficient to proceed with site remediation and closure. Remediation activities have been completed. The Remedial Action Completion Report is expected by on April 30, 2015.

natural-gas–fired generation facility and ancillary systems on vacant property owned by NRG California South LP at the existing MGS.

MGS is an existing natural-gas–fired steam electric-generating facility, currently operating two conventional steam turbine units (Units 1 and 2) and one gas combustion turbine unit (Unit 3). MGS Units 1 and 2 were constructed in the 1950s. MGS Unit 3 is a gas-fired–powered unit that was commissioned in the early 1970s, and has a generating capacity of approximately 130 megawatts (MW). Unit 3 will continue to operate, and will not be affected by the proposed project.

P3 will redevelop approximately 3 brownfield acres of the MGS site that are not currently being used in the MGS operations. During construction of P3, approximately 5.7 acres in the MGS property will be used for construction laydown, offices, and parking. Approximately 4.8 acres of currently unpaved areas will be temporarily disturbed during construction of P3. This includes the main power block area and the construction laydown areas. The remaining 0.9 acre of the 5.7 acres is currently paved and will be used for construction parking. All construction parking and laydown areas are previously disturbed, and graded, and/or compacted for existing industrial uses. All construction laydown and parking areas will be on the MGS site.

1.2 Project Schedule

Site mobilization of the project is expected to ensue following receipt of certification. Onsite construction is expected to commence in October 2018. Construction and startup of P3 would be completed by June 2020. The schedule has been estimated based on a single-shift, 10-hour day and 50-hour week. The onsite workforce will consist of laborers, craftsmen, supervisory personnel, support personnel, and construction management personnel. The onsite workforce is expected to reach its peak of 90 individuals in May 2019. Construction access to the site will be via North Harbor Boulevard.

The project will be executed by an engineering, procurement, and construction (EPC) contractor that will be responsible for the design, procurement, construction, and start-up of the facility. The EPC contractor will select subcontractors for certain specialty work as required. The major power island equipment will be procured and supplied by P3 for installation by the EPC Contractor.

2.0 BACKGROUND

2.1 Land Use History of the P3 Site

The P3 site was historically undeveloped land consisting of beach dunes. The primary construction of MGS was reported to be from 1956 to 1959; it included Units 1 and 2, and associated structures and equipment. Unit 3 was reportedly constructed in the early 1970s.

The portion of the MGS property where P3 will be located was originally slated for development of future steam-generating units (MGS Units 3 and 4); however, these units were never constructed at this location. A 30-inch-diameter gas line traverses the northern portion of the site; this gas line was intended to be the gas supply for the future steam-generating units.

Previous uses and activities on the northern portion of the MGS property where P3 will be constructed include the following:

1950s: Site grading for the original MGS construction, and installation of the 30-inch-diameter gas line.

1970s: Construction of the flood protection berm along the northern boundary of the property.

1970s: An insulator testing facility previously existed at the northern portion of the MGS site. The insulator test facility was constructed in 1970 and was used from 1971 to 1978. The facility was built by Southern California Edison (SCE) to study mean time to flash-over rates on various insulators in a coastal environment. The facility was observed during the 1996 Phase I Environmental Site Assessment (ESA), and was reported to be 100 feet by 100 feet in size. Two transformers were observed to be used at the facility. There was no documentation regarding the removal of the insulator testing facility and associated equipment.

1983: Approximately 7,000 cubic yards of dredged spoils for the canal were temporarily stored at the site at this time.

1996-1997: The 10-inch-diameter gas line from the gas metering station to MGS Unit 3 was installed at this time.

2000: Approximately 7,000 cubic yards of dredged spoils from the canal were temporarily stored at the site at this time.

2003-2005: Approximately 75,000 cubic yards of accumulated sediment from the canal were excavated and placed on the P3 site. Site preparation included excavation and placement of liner fabric. The dredged spoils were pumped into geotextile containment tubes, allowed to dry, and then hauled off to the Toland Road Landfill for disposal.

2011: As part of SCE's Retention Basin remediation project, the project site was used for temporary storage of contaminated soil (stored upon a plastic barrier). Gravel was placed along an access road that ran through the proposed P3 site.

2.2 Previous Environmental Investigations

A Phase I ESA was prepared for the MGS property in April 2015. According to the Phase I ESA, previous environmental investigations of the MGS facility identified known and potential subsurface impacts on the property and adjacent properties. These areas included the onsite retention basins; above-ground storage tanks (ASTs) containing fuel; the peaker unit (Unit 3) fuel pumping area; transformers and switchyards; pipelines, dredge soil piles, and the powerblock perimeter; the oil/water separator (OWS) and sump; and the adjacent petroleum facility.

The Phase I ESA revealed the following recognized environmental conditions associated with the property.

- A Final Judgment pursuant to Stipulation Number BC 121219 (the Stipulation), handed down by the Superior Court of California, Los Angeles County, on February 1, 1995, alleged that SCE had stored hazardous wastes in unpermitted surface impoundments and associated sumps. In 1995, SCE implemented a Water Quality Monitoring Program on the property. Forty-seven wells were installed at the MGS facility as part of the groundwater monitoring system for the retention basins. Field investigations have been performed in and around the retention basin site to characterize soil, soil gas, and groundwater in the area impacted by historical boiler chemical cleaning operations. According to the approved Closure Plan, the soil at the retention basin site had been characterized as sufficient to proceed with site remediation and closure. The Closure Plan also indicated that groundwater at the retention basin site had been characterized, and the data collected were sufficient to proceed with site remediation and closure. According to a briefing report provided by Mr. Steven Rounds (MGS Case Worker with the DTSC), in the Closure Plan was approved by DTSC in 2007, it passed public comment period, and the approved remedy is currently being implemented. As part of the approved remedy, the DTSC gave approval for the removal of contaminated soil, which was performed in 2011. A Land Use Covenant will reportedly be put in place, restricting the use of groundwater pumped from the site. According to the DTSC EnviroStor database, the Remedial Action Completion Report is due on April 30, 2015.

- Impacts to soil were identified beneath the 21,000-barrel distillate tank on the southern boundary of the property. Previous investigations of soil performed beneath and around the AST indicated that petroleum hydrocarbons were detected in soil to a maximum depth of 6 inches. The report concluded that the soil beneath the tank had been impacted by oil that was placed during construction for corrosion protection. The soil was further analyzed for waste profile characteristics, and it was reported that the soil would not be considered hazardous waste. It was recommended that petroleum-impacted soil be left in place. In a letter dated May 26, 1995, the Los Angeles Regional Water Quality Control Board (RWQCB) concurred that the soil could be left in place until the tank was decommissioned and removed from the site.

- Based on past industrial practices and activities at the facility, there is the potential for subsurface impacts to areas in the MGS that were not previously assessed and remediated. These areas include, but are not limited to, the powerblock area around Units 1, 2, and 3; the transformer areas; the former insulator test facility; pipeline areas; oil pumping areas; historical dredge spoil pile areas; the OWS and collection sump; and the AST and chemical storage areas.

- There is the potential for subsurface impacts to the MGS facility from adjacent properties, including the former tank farm area to the south of the property; the petrochemical facility to the south of the property; and the SCE switchyard to the east of the property.

- Closure activities associated with prior operations of the retention basins and associated appurtenances on the MGS property are currently SCE's obligation under the Stipulation, and as the previous owner of the MGS.

Copies of closures from regulatory agencies will be included in the Final SMP.

3.0 INSTITUTIONAL CONTROLS AND PERMITS

The CEC has jurisdiction for licensing and compliance of power plants that exceed 50 MW of capacity. The CEC CPM, with concurrence from the DTSC project manager, will provide final approval and implementation of the SMP. Construction activities will be performed in accordance with the requirement outlined in the CEC's license and COCs.

P3 will obtain any necessary permits for soil excavation prior to work being performed, and will ensure that any contractors are appropriately licensed. Institutional controls will include:

- Oversight and guidance from the DTSC;
- Permits or notifications to Ventura County Air Pollution Control District, if required;
- Construction Stormwater Pollution Prevention Plan, if required;
- Requirements of California Code of Regulations, Title 22, Division 4.5, which detail the requirements of hazardous waste or potentially hazardous waste, including requirements applicable to the generation, accumulation, transport, treatment, or disposal of wastes;
- Proper training of all workers involved with management and/or remediation activities per RCRA (42 United States Code 6901. et seq.) and Chapters 6.5 and 6.8 of Division 20 of the California Health and Safety Code;
- Use of appropriately licensed contractors for soil excavation (e.g., California-licensed with hazmat endorsement); and
- Use of licensed waste transporters for offsite transportation of wastes.

Documents relating to the appropriate permitting and licensing for each soil excavation effort will be maintained as part of the project file. All soil excavation will be overseen by the supervising Professional Engineer or Professional Geologist.

4.0 RESPONSIBILITIES

4.1 Owner

The P3 Compliance Manager will be responsible for ensuring that all soil wastes generated during demolition and construction of the P3 Project comply with this SMP and with applicable LORS. P3 will be the generator of excavated soil for the project. As the generator, P3 will be responsible for the management of soil materials generated from P3-related construction and demolition, including their characterization, accumulation, and disposal.

The P3 Compliance Manger will provide oversight of the construction contractor during the implementation of the procedures outlined in this SMP, and will ensure that all required documentation is prepared and submitted according to specified schedules.

The P3 facility will prepare a Construction Health and Safety Plan (HSP) that is consistent with this SMP. The HSP will address the possibility of encountering subsurface impacts, including hazardous waste, and will include procedures to protect workers and the environment. The HSP will include appropriate training and proper levels of personal protective equipment for soil excavation work. A job hazard analysis should also be prepared prior to soil sampling and soil management during ground-disturbing activities.

4.2 Construction Contractor

The construction contractor will be responsible for the proper handling of excavated soil materials in compliance with this SMP and all applicable LORS. The construction contractor will also be responsible for preparing a site-specific HSP for the P3 project that is consistent with this SMP. The HSP will address the possibility of encountering subsurface impacts, including hazardous waste, and will include procedures to protect workers and the environment consistent with the P3 HSP.

The construction contractor will also designate someone who will have the responsibility for implementing project soil management activities under the oversight of the P3 Compliance Manager.

5.0 SOIL EVALUATION

5.1 General Soil Management Process

The soil management process for P3 construction and below-grade demolition will be as follows:

- Areas of potential and known soil impact will be identified by P3 and its environmental monitors on an ongoing basis.

- Areas of potential and known impact will be characterized through standard soil sample collection and analysis prior to or as part of soil excavation.

- Soil characterization results will be compared with a set of pre-defined soil screening values. These values will be determined prior to construction and demolition activities based on guidance provided by the DTSC. It is assumed that, at a minimum, the screening values for all possible contaminate chemicals will be based on the current industrial land use and construction worker and industrial worker environmental risk scenarios.

- Soil in which chemical concentrations are generally below screening values will not be subject to further specified management. These soils may be excavated and removed to another part of the site, excavated and re-compacted in place, or left undisturbed, according to the development specifications.

- Soil from areas where there is no known or suspected potential chemical impact (i.e., the expected majority of soils excavated during development of the P3) will not be routinely characterized for chemical impact. These soils may be excavated and removed to another

part of the site, excavated and re-compacted in place, or left undisturbed, according to the development specifications.

Details of this process are provided in the following sections. All relevant work will be overseen by a supervising Professional Engineer or Professional Geologist approved by the CPM, in accordance with CEC COCs.

5.2 Soil Sample Selection

At all areas of known or potential soil impact, the onsite environmental monitor will select the locations for both initial soil sampling and post-excavation sampling based on the following guidelines:

- When sampling excavations, at least one sample should be collected from each sidewall and the excavation floor, as directed by the oversight professional.

- Sampling should be biased toward areas, if any, where field indications of soil contamination—such as discoloration, odor, and/or field instrument readings (i.e., photoionization detector)—are present.

- Sampling frequency and location can be adjusted based on previous characterization results, suspect chemicals, and/or soil type.

As part of routine documentation, all sample locations will be located either on a field sketch or by a survey crew.

5.3 Soil Sampling Methods and Procedures

Soil sampling and analysis methods and procedures used for soil management will be in accordance with DTSC requirements.

Soil characterization samples will generally be collected using hand tools directly from the area or excavation, or from an excavator bucket. Use of drilling rigs is not anticipated.

5.4 Soil Sample Analysis

The analytical methods for each location where soil will be characterized will be selected by the environmental monitor based on the nature of the potential release. In general, the following guidelines will be used:

- Suspect oil release locations should be tested for total petroleum hydrocarbons (TPH) and Title 22 metals. If TPH is detected above regulatory thresholds, samples should also be tested for volatile and semi-volatile organic compounds.

- Suspect transformer oil release areas should be tested for TPH in the diesel and motor oil ranges, and polychlorinated biphenyls.

5.5 Soil Screening Values

Analytical results will be compared with the soil screening levels (SSLs), in accordance with the DTSC guidance. These screening levels will be determined prior to construction and demolition activities.

6.0 SOIL EXCAVATION, STOCKPILING, AND DISPOSAL

6.1 Soil Excavation and Disposal Decision

Soils will be subject to excavation and disposal when the soil chemical concentrations exceed their SSLs.

The decision to excavate soil will be made by the supervising Professional Engineer or Professional Geologist in consultation with DTSC.

6.2 Soil Protection Prior to Excavation

In most cases when it is judged necessary to excavate and dispose of soil off site, excavation will be performed as soon as practicable. Areas of contamination above SSLs will be secured and managed in a manner appropriate to the potential hazard presented until it is excavated. This will include restricting entry into the area to authorized personnel and/or equipment, to minimize soil contact or dispersion; and protecting the soil from dispersion by wind or water. Minimum controls for excavation areas will follow standard best management practices described in the General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, as amended by Order No. 2010-0014-DWQ (National Pollutant Discharge Elimination System No. CAS000002). In some limited instances, it may be necessary to delay soil excavation for an extended period of time. If soil removal cannot be completed within 4 weeks of the decision to remove it, P3 will consult with DTSC regarding longer-term protective measures. Similarly, if due to the nature, location, or volume of soil impact, P3 believes that an alternative to excavation and offsite disposal is preferred, DTSC will be consulted before implementation.

6.3 Excavation and Waste Stockpiling

Based on the anticipated small areas/volumes of impacted soil removal, P3 does not expect to have to develop specialized engineering designs to excavate contaminated soil. Soil removal will proceed in accordance with all established safety requirements for the P3 project.

P3 will implement environmental control measures appropriate to contaminated soil removal. The supervising Professional Engineer or Professional Geologist will determine all necessary control measures, such as limiting dump heights, water spraying, use of rumble strips, and equipment decontamination. These measures will be in addition to routine measures already being implemented in accordance with the CEC-issued permits and applicable local, state, and federal regulations, such as stormwater management and dust control.

Excavated soil will typically be placed in a segregated stockpile while awaiting waste characterization and offsite disposal. Soils will typically be stockpiled on and covered by an impermeable cover to prevent dispersion by wind and water. Soils may also be stored on site in drums or soil bins. Soil storage conditions will meet requirements imposed by applicable air quality, solid/hazardous waste management, and stormwater permits and regulations. Although it is considered relatively unlikely, if excavated soils are characterized as hazardous waste, they must in most cases be handled in accordance with California Title 22 requirements, including storage in appropriate containers and being subject to onsite accumulation time limits.

6.4 Verification Sampling

Soil excavation at any particular location will proceed until the supervising Professional Engineer or Professional Geologist deems it appropriate to stop and collect verification samples. Verification sampling will follow the guidance outlined for soil sampling. However, verification sample analysis will only be performed for those constituents whose concentrations exceeded SSLs in the characterization phase.

Following evaluation of verification sampling results, further excavation may or may not be required, based on a comparison of the results to the SSLs. P3's general goal is to excavate soil until all verification sample results fall below SSLs. Achievement of this standard at any individual excavation location will be subject to the judgment of the supervising Professional Engineer or Professional Geologist.

6.5 Soil Profiling, Transportation, and Disposal

Soil will be profiled for disposal following the requirements of California Title 22 hazardous waste regulations, and the requirements of candidate offsite disposal locations, as described in the P3 Waste Management Plan. This process will include considering the nature of soil contamination; evaluating analytical results from the soil characterization work; collecting and analyzing representative samples of stockpiled soil, if necessary; and comparing analytical results to Title 22 hazardous waste criteria and candidate disposal site waste acceptance criteria.

Offsite disposal locations will be selected by P3 based on commercial considerations from the locations that can be verified as legally able to accept the waste. Most soil generated from P3 is expected to be nonhazardous under both federal and California regulations, and therefore will be disposed of without further treatment, at an appropriately licensed nonhazardous waste landfill or recycling facility.

Offsite soil transportation will be performed by appropriately licensed transportation trucking companies.

6.6 Backfill Material Sampling

Excavations will be backfilled using excavated native soil material. However, in some instances, certified-clean imported fill material may be obtained from a local sand gravel quarry. If the locally obtained material is not pre-certified clean, samples will be collected from each imported material source prior to use. The DTSC Information Advisory for Clean Imported Fill Material

will be used as a guidance document to determine the sampling frequency, and analysis will be performed in the event that the quarry is unable to provide a certificate of analysis for the backfill material.

7.0 RECORDKEEPING AND REPORTING

P3 will maintain appropriate records for all soil characterization and removal activities pertaining to sample collection and analysis and analytical laboratory reporting. Records will also include the following:

- Documentation of the potential release threat from each area evaluated;
- Locations of all soil samples collected from areas characterized and excavated;
- Survey data location of soil excavations;
- Field notes and sketches of each area characterized and excavated;
- Methods and procedures, including environmental controls implemented, for each excavation event;
- Photographs of each area characterized and excavated; and
- Documentation of all waste disposal activities, including copies of each waste profile and manifests/bills of lading.

A summary report will be prepared and submitted to CPM within 25 days of completion of all demolition/remediation associated earthwork. Interim reports for specific remedial areas may be filed requesting a "No Further Action" determination from the DTSC and CPM following the completion of a removal action.

8.0 REFERENCES

AECOM, 2015. Phase I Environmental Site Assessment. March.

California Health and Safety Code, Division 20, Chapters 6.5 and 6.8.

CCR (California Code of Regulations), 2003. Title 22, Division 4, Chapter 11, Article 3, Section 66261.20: Characteristics of Hazardous Waste. September. CCR, Title 22 Chapter 11, Article 5 Categories of Hazardous Waste, Section 66261.113; Total Threshold Limit Concentration Values of Persistent and Bioaccumulative Toxic Substances in Extremely Hazardous Wastes. Available online at: http://www.dtsc.ca.gov/LawsRegsPolicies/Title22/OEARA_REG_Title22_Ch11.cfm.

CCR (California Code of Regulations), 2003. Title 22 Chapter 11, Article 3, Section 22261.24-1, Table III, List of Organic Persistent and Bioaccumulative Toxic Substances and their Soluble Threshold Limit Concentration (STLC) and Total Threshold Limit Concentration (TTLC) Values. Available online at: http://www.dtsc.ca.gov/LawsRegsPolicies/Title22/OEARA_REG_Title22_Ch11.cfm.

CCR (California Code of Regulations), 2003. Title 22 Chapter 11, Appendix II; Waste Extraction Test (WET) Procedures. Available online at: http://www.dtsc.ca.gov/LawsRegs Policies/Title22/OEARA_REG_Title22_Ch11.cfm.

40 Code of Federal Regulations (CFR) §§ 260 et seq.

DTSC (Department of Toxic Substances Control), 2001. California Environmental Protection Agency, Department of Toxic Substances Control Information Advisory for Clean Imported Fill Material.

DTSC (Department of Toxic Substances Control), 2005. Letter, "Notification of Resource Conservation and Recovery Act (RCRA) Requirements for Closure and Corrective Action at the Former Southern California Edison Generating Stations." August 22.

RCRA (Resource Conservation and Recovery Act), Subtitles C and D; 42 USC (United States Code) §§ 6901 to 6992k, § 6.12.2.1.

SWRCB (State Water Resources Control Board), General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities (General Permit) Order No. 2009-0009-DWQ, as amended by Order No. 2010-0014-DWQ (NPDES No. CAS000002).